SAMSUNG

AH68-02059Y

MAX-KA54
MAX-KA55

DVD KARAOKE MINI SYSTEM

user manual

imagine the possibilities

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www.samsung.com/global/register

SAMSUNG

Safety Warnings

CAUTION
RISK OF ELECTRIC SHOCK.
DO NOT OPEN

TO REDUCE THE RISK OF ELECTRIC SHOCK,
DO NOT REMOVE REAR COVER (or BACK).
NO USER SERVICEABLE PARTS INSIDE.
REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

CLASS 1 LASER PRODUCT
KLASSE 1 LASER PRODUKT
LUOKAN 1 LASER LAITE
KLASS 1 LASER APPARAT
PRODUCTO LASER CLASE 1

This symbol indicates “dangerous voltage” inside the product that presents a risk of electric shock or personal injury.

This symbol indicates important instructions accompanying the product.

CLASS 1 LASER PRODUCT

This Compact Disc player is classified as a CLASS 1 LASER product.

Use of controls, adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.

CAUTION : INVISIBLE LASER RADIATION WHEN OPEN AND INTERLOCKS DEFEATED, AVOID EXPOSURE TO BEAM.

WARNING : To reduce the risk of fire or electric shock, do not expose this appliance to rain or moisture.

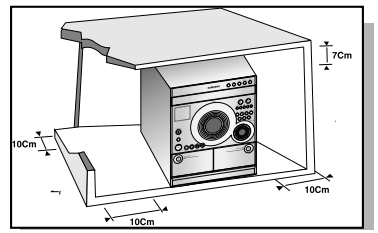
CAUTION : TO PREVENT ELECTRIC SHOCK, MATCH WIDE BLADE OF PLUG TO WIDE SLOT, FULLY INSERT.

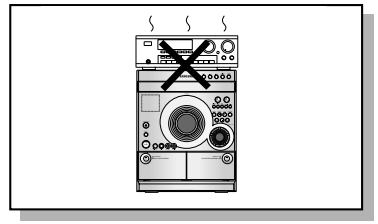
- This apparatus shall always be connected to a AC outlet with a protective grounding connection.
- To disconnect the apparatus from the mains, the plug must be pulled out from the mains socket, therefore the mains plug shall be readily operable.

CAUTION

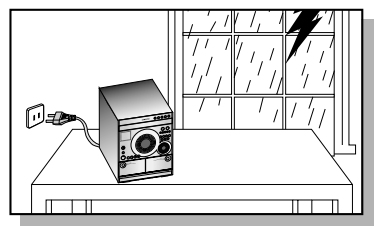
- Apparatus shall not be exposed to dripping or splashing and no objects filled with liquids, such as vases, shall be placed on the apparatus.
- The Mains plug is used as a disconnect device and shall stay readily operable at any time.

This marking shown on the product or its literature, indicates that it should not be disposed with other household wastes at the end of its working life.
To prevent possible harm to the environment or human health from uncontrolled waste disposal, please separate this from other types of wastes and recycle it responsibly to promote the sustainable reuse of material resources.
Household users should contact either the retailer where they purchased this product, or their local government office, for details of where and how they can take this item for environmentally safe recycling.
Business users should contact their supplier and check the terms and conditions of the purchase contract.
This product should not be mixed with other commercial wastes for disposal.

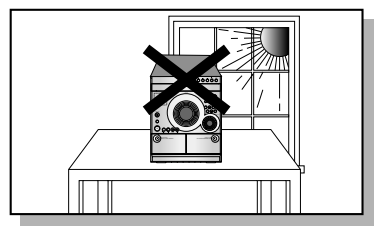




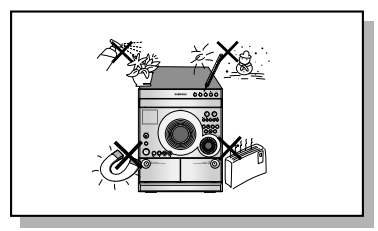
Ensure that the AC power supply in your house complies with the identification sticker located on the back of your player. Install your player horizontally, on a suitable base (furniture), with enough space around it for ventilation (3~4inches). Make sure the ventilation slots are not covered. Do not stack anything on top of the player. Do not place the player on amplifiers or other equipment which may become hot. Before moving the player, ensure the disc tray is empty. This player is designed for continuous use. Switching off the DVD player to the stand-by mode does not disconnect the electrical supply. In order to disconnect the player completely from the power supply, remove the main plug from the wall outlet, especially when left unused for a long period of time.



During thunderstorms, disconnect AC main plug from the wall outlet.
Voltage peaks due to lightning could damage the unit.



Do not expose the unit to direct sunlight or other heat sources.
This could lead to overheating and malfunction of the unit.

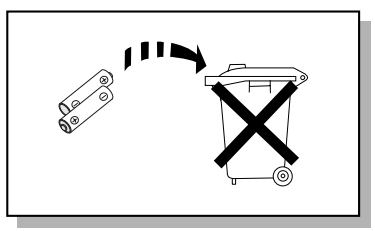


Protect the player from moisture(i.e. vases) , and excess heat(e.g.fireplace) or equipment creating strong magnetic or electric fields (i.e.speakers...). Disconnect the power cable from the AC supply if the player malfunctions. Your player is not intended for industrial use.

Use of this product is for personal use only.

Condensation may occur if your player or disc have been stored in cold temperatures.

If transporting the player during the winter, wait approximately 2 hours until the unit has reached room temperature before using.



The battery used with this product contain chemicals that are harmful to the environment.

Do not dispose of batteries in the general household trash.

Features

Multi-Disc Playback & FM Tuner, TAPE

The MAX-KA54/KA55 combines the convenience of multi-disc playback capability, including DVD, CD, MP3-CD, CD-R, CD-RW, DivX,JPEG and DVD-R/RW, with a sophisticated FM tuner, TAPE, USB HOST all in a single player.

TV Screen Saver Function

The MAX-KA54/KA55 automatically brightens and darkens the brightness of the TV screen after 3 minutes in the stop mode.
The MAX-KA54/KA55 automatically switches itself into the power saving mode after 20 minutes in the screen saver mode.

Power Saving Function

The MAX-KA54/KA55 automatically shuts itself off after 20 minutes in the stop mode(only for USB, DVD).

Customized TV Screen Display

The MAX-KA54/KA55 allows you to select your favorite image during JPEG, DVD playback and set it as your background wallpaper.

DVD (Digital Versatile Disc) offers fantastic audio and video, thanks to Dolby Digital surround sound and MPEG-2 video compression technology. Now you can enjoy these realistic effects in the home, as if you were in a movie theater or concert hall.

DVD players and the discs are coded by region. These regional codes must match in order for the disc to play. If the codes do not match, the disc will not play.
The Region Number for this player is given on the rear panel of the player.
(Your DVD player will only play DVDs that are labeled with identical region codes.)

Copy Protection

- **Many DVD discs are encoded with copy protection. Because of this, you should only connect your DVD player directly to your TV, not to a VCR. Connecting to a VCR results in a distorted picture from copy-protected DVD discs.**
- This product incorporates copyright protection technology that is protected by methods claims of certain U.S. patents and other intellectual property rights owned by Macrovision Corporation and other rights owners. Use of this copyright protection technology must be authorized by Macrovision Corporation, and is intended for home and other limited viewing uses only unless otherwise authorized by Macrovision Corporation. Reverse engineering or disassembly is prohibited.

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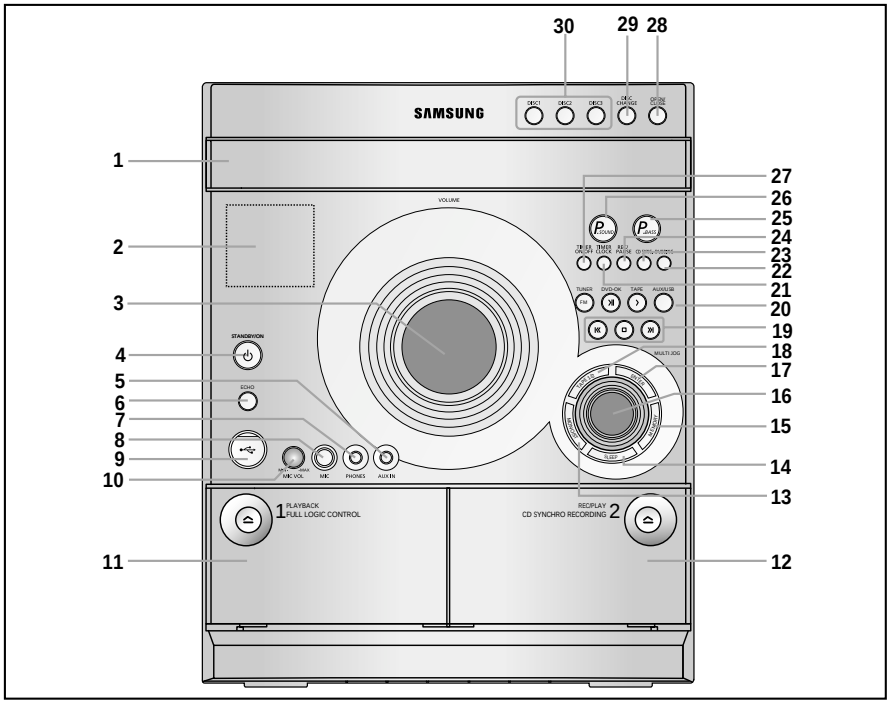
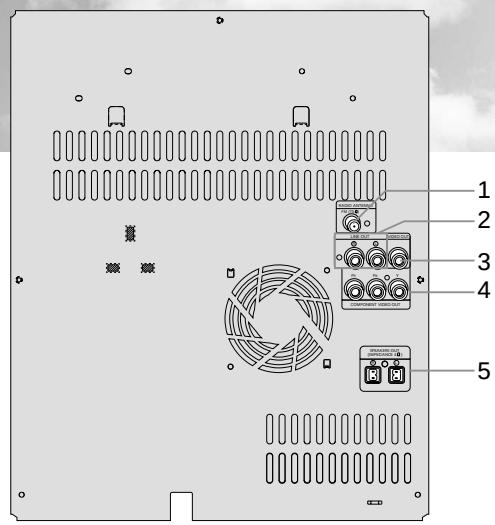
Description

—Front Panel—



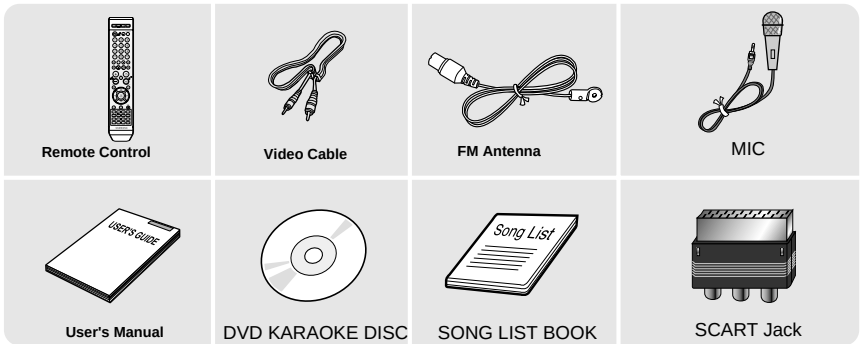
1. COMPACT DISC COMPARTMENT
2. WINDOW DISPLAY
3. VOLUME CONTROL
4. STANDBY/ON
5. AUX IN
6. ECHO
7. HEADPHONE JACK CONNECTOR
8. MIC
9. USB CONNECTOR
10. MIC VOL.
11. CASSETTE DECK 1
12. CASSETTE DECK 2
13. FM MONO/STEREO
14. SLEEP
15. TUNER MEMORY
16. MULTI JOG
17. ENTER
18. TAPE 1/2
19. SEARCH FUNCTION BUTTONS, TUNING MODE OR STOP BUTTON
20. TUNER(FM) FUNCTION / TAPE FUNCTION / DVD-OK FUNCTION / AUX/USB FUNCTION
21. TIMER/CLOCK
22. DUBBING
23. CD SYNCHRO RECORDING
24. REC/PAUSE
25. POWER BASS
26. POWER SOUND
27. TIMER ON/OFF
28. CD OPEN/CLOSE
29. CD DISC CHANGE
30. CD DISC SELECTION BUTTONS

—Rear Panel—



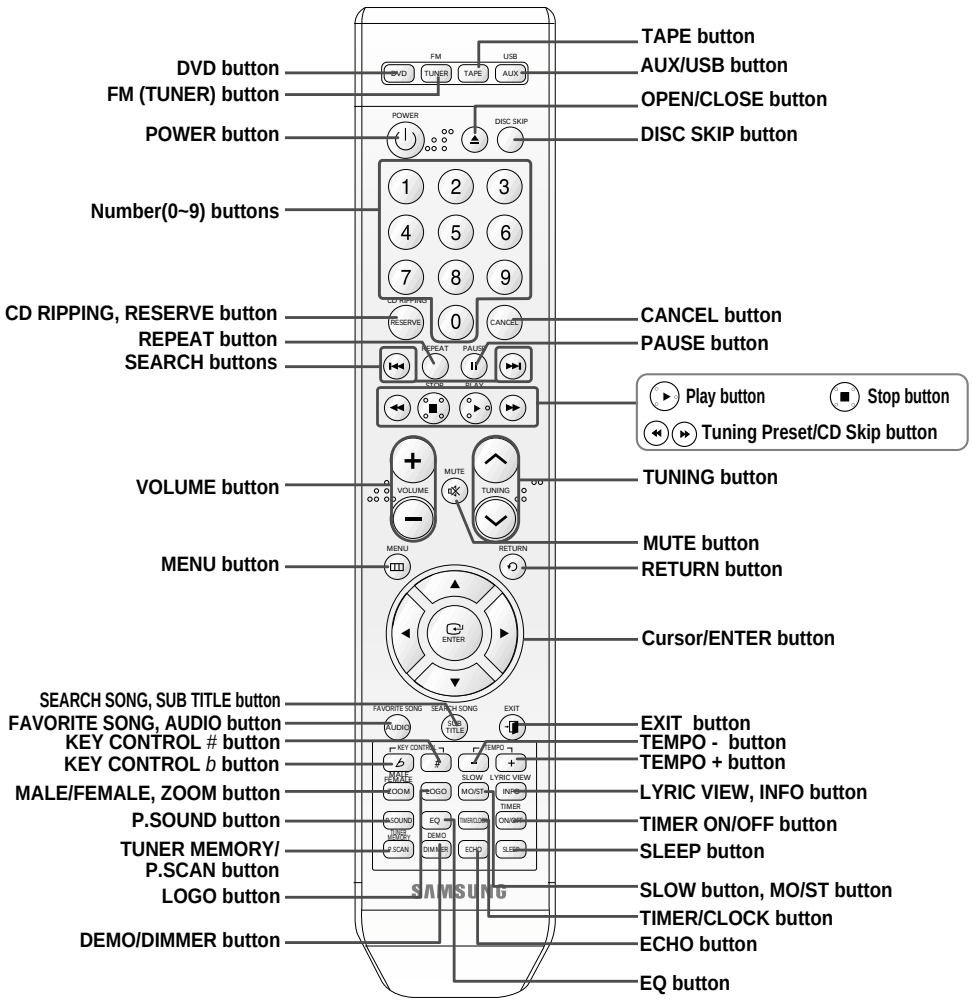
1. **FM Antenna Connector**
2. **LINE OUT**
3. **Video Output Connector**
   Connect the TV's video input jacks (VIDEO IN) to the VIDEO OUT connector.
4. **Component Video Output Connectors**
   Connect a TV with component video input jacks to these jacks.
5. **Speaker Connector Terminals**

Accessories

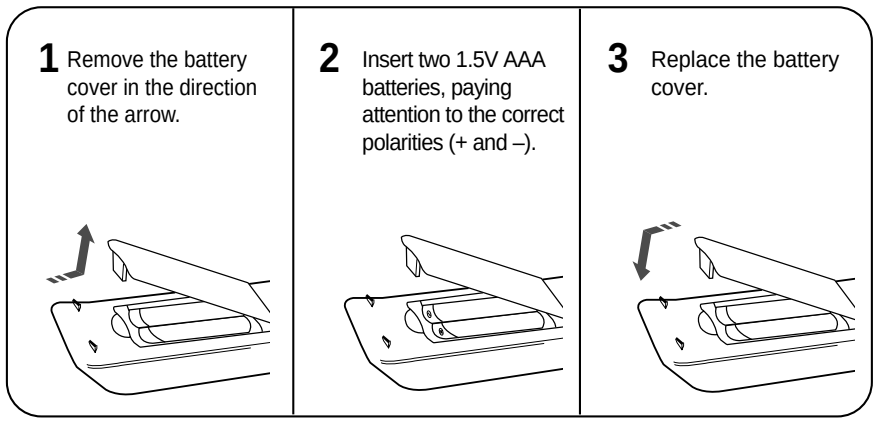


Description

—Remote Control—



Insert Remote Batteries


1 Remove the battery cover in the direction of the arrow.
2 Insert two 1.5V AAA batteries, paying attention to the correct polarities (+ and –).
3 Replace the battery cover.

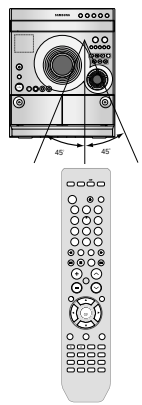
Caution

Follow these precautions to avoid leaking or cracking cells:

- Place batteries in the remote control so they match the polarity:(+) to (+)and (–)to (–).
- Use the correct type of batteries.Batteries that look similar may differ in voltage.
- Always replace both batteries at the same time.
- Do not expose batteries to heat or flame.

Range of Operation of the Remote Control

The remote control can be used up to approximately 23 feet/7 meters in a straight line. It can also be operated at a horizontal angle of up to 45° from the remote control sensor.



Connecting the Speakers

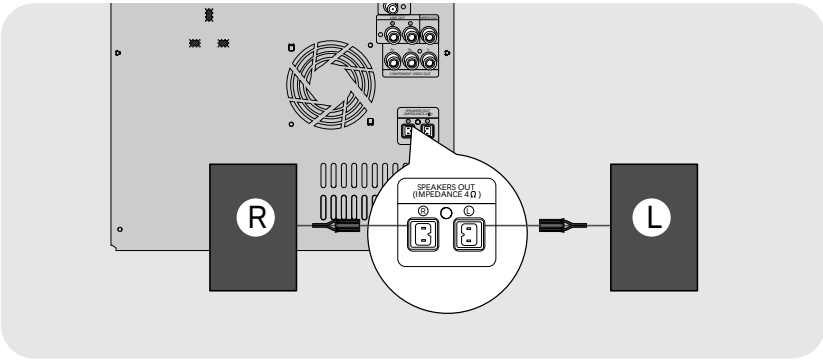
Before moving or installing the product, be sure to turn off the power and disconnect the power cord.

The loudspeaker connector terminals are located on the rear of the system.

There are two terminals on the system:

- left speaker (marked L)
- right speaker (marked R)

To achieve the correct sound quality,insert those speaker connector cables to the speaker connector terminals of the system.



Position of the DVD Player

- Place it on a stand or cabinet shelf, or under the TV stand.

Speakers L R

- Place these speakers in front of your listening position, facing inwards (about 45°) toward you.
- Place the speakers so that their tweeters will be at the same height as your ear.

Selecting the Listening Position

The listening position should be located about 2.5 to 3 times the distance of the TV's screen size away from the TV. Example: For 32" TVs 2~2.4m (6~8feet)
For 55" TVs 3.5~4m (11~13feet)

Directions in Installing Speaker

- Installation in a place near heating apparatus, under direct lay of light or with high humidity may cause performance degradation of the speaker.
- Do not install on the wall or on a high place of pole or other unstable place to prevent any safety accident caused by falling of the speaker.
- Do not take the speaker near from TV or computer monitor.
  The speaker near the TV or computer monitor may influence the quality of the screen display.

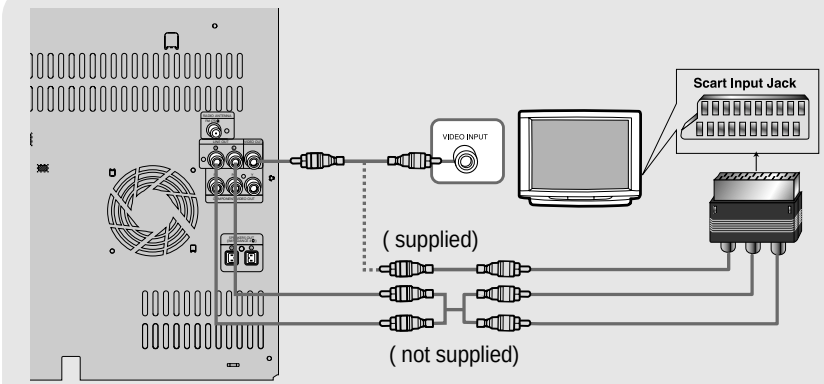
Connecting to a TV

Please be sure to turn off the power and unplug the power cord before moving or installing this unit.
Please choose one method.

Using Video Out

1 Connect Video Out on the player to Video In on your TV.

2 Press the TV/VIDEO button on the remote of TV control to set the TV to "VIDEO".



Note

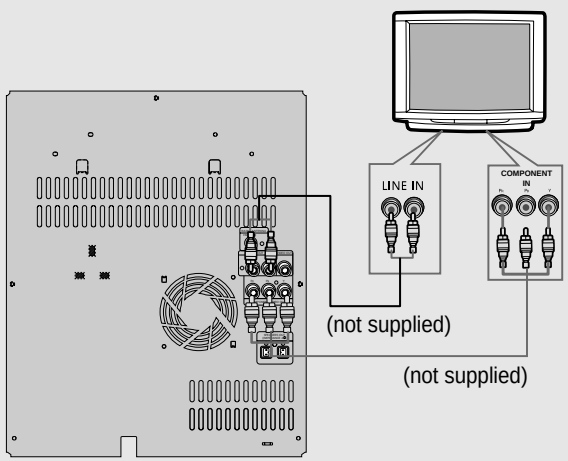
- Composite Video: A single video signal that is a composite of the black-and-white information (Y) and the color information (C).

Connecting to a TV(Con't)

Component Video

Use this method if your TV have Pr,Pb andY jacks.

If you television is equipped with Component Video inputs,connect a component video cable from the Pr,Pb and Y jacks on the back panel of the system to the corresponding jacks on your television.



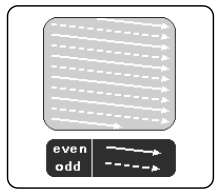
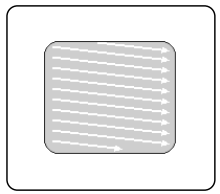
P.SCAN (Progressive Scan) Function

Unlike regular Interlace Scan, in which two fields of picture information alternate to create the entire picture (odd scan lines, then even scan lines), Progressive Scan uses one field of information (all lines displayed in one pass) to create a clear and detailed picture without visible scan lines.

Press and hold P.SCAN button on the remote controller for over 5 seconds in stop mode.

- Pressing and holding the button for over 5 seconds will select "**Progressive Scan**" and "**Interlace Scan**" repetitively.

What is Progressive (or Non-Interlaced) Scanning?

Interlaced Scan (1 FRAME = 2 FIELDS)	Progressive Scan (FULL FRAME)
	
In interlaced-scan video, a frame consists of two interlaced fields (odd and even), where each field contains every other horizontal line in the frame. The odd field of alternating lines is displayed first, and then the even field is displayed to fill in the alternating gaps left by the odd field to form a single frame. One frame, displayed every 1/25th of a second, contains two interfaced fields, thus a total of 50 fields are displayed every 1/25th of a second. The interlaced scanning method is intended for capturing a still object.	The progressive scanning method scans one full frame of video consecutively down the screen, line by line. An entire image is drawn at one time, as opposed to the interlaced scanning process by which a video image is drawn in a series of passes. The progressive scanning method is desirable for dealing with moving objects.

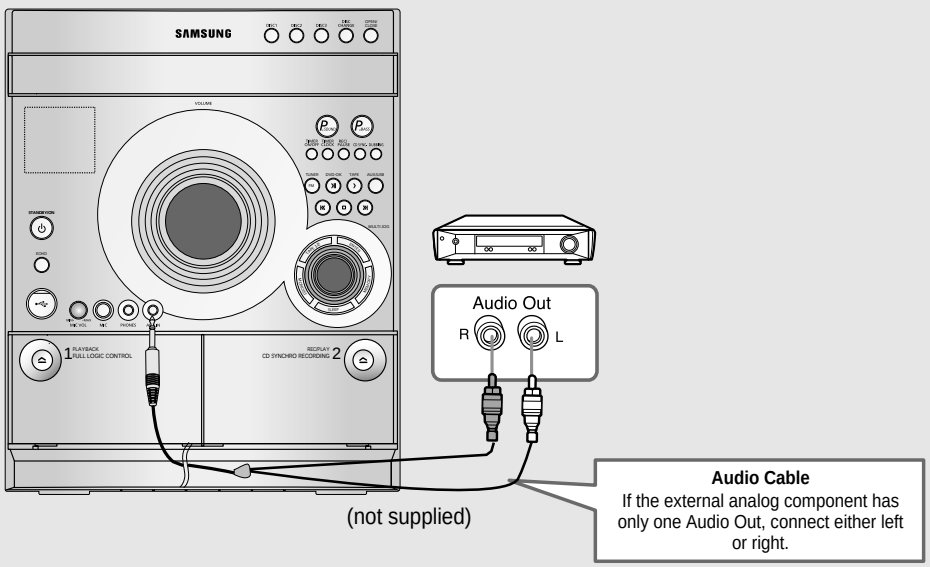
Note

- This function works only on TVs equipped with component video inputs (Y, Pr, Pb) that support Progressive Video. (It does not work on TVs with conventional component inputs, i.e., non-progressive scan TVs.)
- Depending on the brand and model of your TV, this function may not work.
- The SCART(RGB output) does not support Progressive scan mode.

Connecting External Components

Connecting an External Analog Component

Example: Analog signal components such as a VCR, Camcorder, and TV.



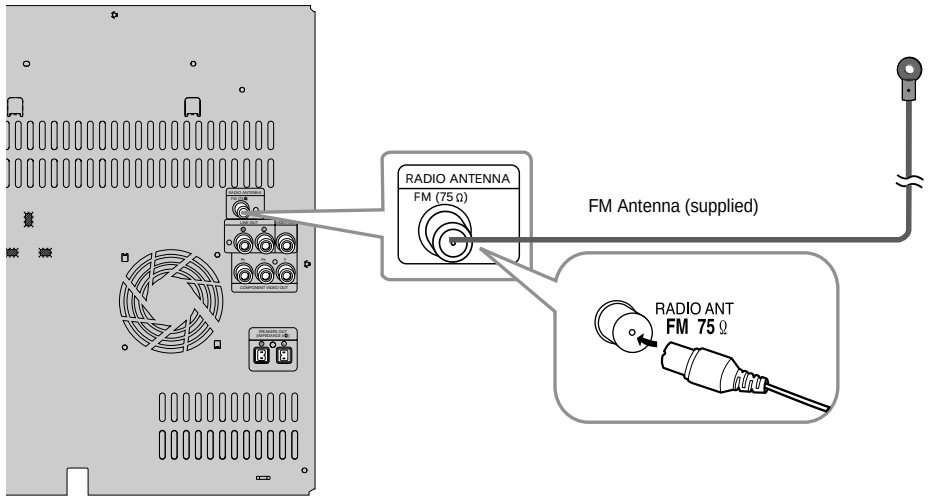
1 Connect Audio In on the DVD player to Audio Out on the external analog component.

- Be sure to match connector colors.

2 Press **AUX** to select AUX.

- '**AUX**' appears in the display.

Connecting the FM Antennas



1 Connect the FM antenna supplied to the FM 75Ω COAXIAL Jack.

2 Slowly move the antenna wire around until you find a location where reception is good, then fasten it to a wall or other rigid surface.

Note • This unit does not receive AM broadcasts.

Setting the Clock

For each step, you have a few seconds to set the required options.
If you exceed this time, you must start again.

1 Switch the system on by pressing **POWER** button.

2 Press **TIMER/CLOCK** twice.

- **CLOCK** is displayed.

3 Press **ENTER**.
The hour flashes.

- Increase the hours : ▶
- Decrease the hours : ◀

4 When the correct hour is displayed, press **ENTER**.
The minutes flash.

- Increase the minutes : ▶
- Decrease the minutes : ◀

5 When the correct time is displayed, press **ENTER**.

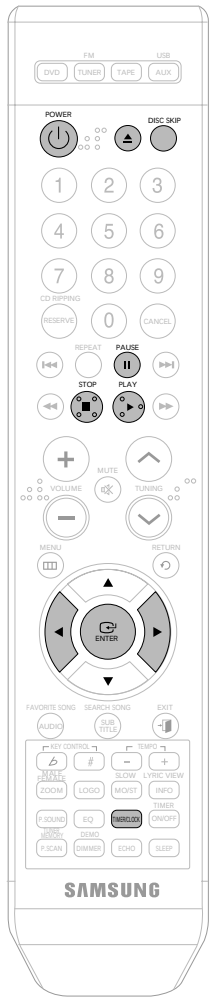
- "**TIMER**" appears in the display.
- The current time is now set.

Note

- You can display the time, even when you are using another function, by pressing **TIMER/CLOCK** once.

Note •You can also use Muti-Jog on the panel front instead of ◀ ▶ buttons in step 3,4.

Disc Playback



Selecting a CD in the Disc changer

To select a specific disc, press the corresponding **DISC (1, 2, 3)** button on the front panel or **DISC SKIP** on the remote control, until the required disc indicator flashes.
Result: All the discs will be played in turn, starting with the one selected.

- If you use the **DISC (1, 2, 3)** function when listening to the radio or to a tape, the system switches automatically to the CD mode.
- If the disc selected is not loaded, the next disc is played automatically.

DVD CD

- Playback starts automatically.

MP3 JPEG DivX

- Playback starts automatically.
- If the TV is on, a list of MP3s on the CD will appear on the TV screen.

Note

- Depending on the content of the disc, the initial screen may appear different.
- Depending on the recording mode, some MP3-CDs cannot be played.
- Table of contents of a MP3-CD varies depending on the MP3 track format recorded on the disc.

To stop playback, press **STOP** button during playback.

- If pressed once, the stop position will be stored in memory. If **PLAY** (▶) button or **ENTER** button is pressed, playback resumes from the stop position. (This function works only with DVDs.)
- If pressed twice, "STOP" is displayed, and if **PLAY** (▶) button is pressed, playback starts from the beginning.

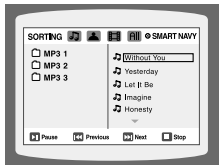
To temporarily pause playback, press **PAUSE** button during playback.

- To resume playback, press **PLAY(▶)** button again.

MP3/WMA-CD Playback

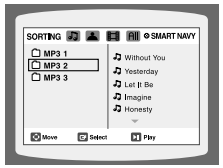
1 Load the MP3/WMA disc.

- The MP3/WMA menu screen will appear and playback will start.
- The appearance of the menu depends on the MP3/WMA disc.
- WMA-DRM files cannot be played.



2 In Stop mode, use ◄ ► ▲ ▼to select the album, and then press the **ENTER** button.

- Use ▲▼to select the track.



3 To change the album, use ◄ ► ▲ ▼to select another album in Stop mode, and then press the **ENTER** button.

- To select another album and track, repeat Steps 2 and 3 above.

4 Press the **STOP** button to stop playback.

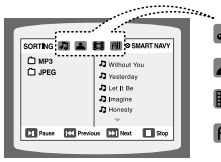
Note

- Depending on the recording mode, some MP3/WMA-CDs may not play.
- Table of contents of a MP3-CD varies depending on the MP3/WMA track format recorded on the disc.

To play a file icon in the screen,

Press the ◄ ► ▲ ▼button when it is in stop status and select a desired icon from the top part of the menu.

- To play music files only, select the Icon.
- To view image files only, select the Icon.
- To view movie files only, select the Icon.
- To select all files select the Icon.



- Music File Icon
- Image File Icon
- Movie File Icon
- All File Icon

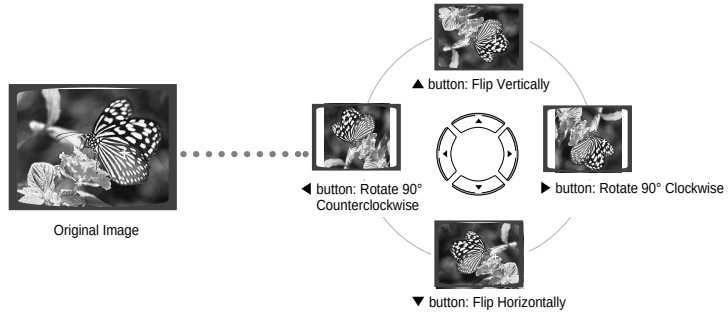
JPEG File Playback JPEG

ENG

Images captured with a digital camera or camcorder, or JPEG files on a PC can be stored on a CD and then played back with this DVD player.

Rotate/Flip Function

Press Cursor ▲, ▼, ◄, ► buttons during playback.


Original Image
▲ button: Flip Vertically
◄ button: Rotate 90° Counterclockwise
▶ button: Rotate 90° Clockwise
▼ button: Flip Horizontally

DivX Playback

Skip Forward/Back

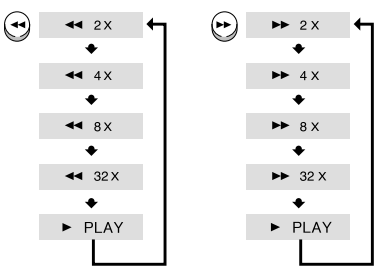
During playback, press the ⏮ ⏭ button.

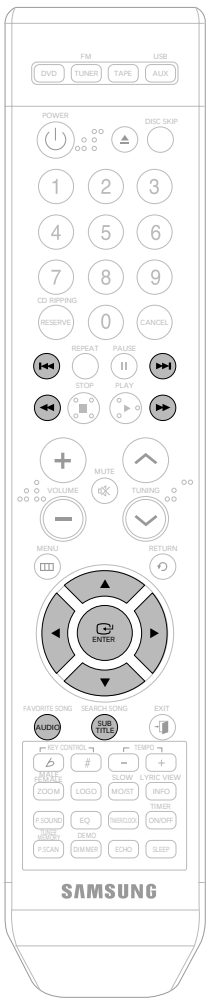
- Go to the next file whenever you press ⏭ button, if there are over 2 files in the disk.
- Go to the previous file whenever you press ⏮ button, if there are over 2 files in the disk.

Fast playback

Press ◀◀ ▶▶ button.

- Each time the button is held down during playback, the playback speed changes as follows:





5 Minute Skip function

During playback, press the ◀, ▶ button.

- Go to the screen 5 minutes after whenever you press ▶ button.
- Go to the screen 5 minutes earlier whenever you press ◀ button.

Subtitle Display

Press the **SUBTITLE** button.

- Each time you press the button, your selection will toggle between "**SUBTITLE ON**" and "**SUBTITLE OFF**".
- If the disc has only one subtitle file, it will be played automatically.
- Up to 8 subtitle languages are supported.

Audio Display

Press the **AUDIO** button.

- If there are multiple audio tracks on a disc, you can toggle between them.
- Each time you press the button, your selection will toggle between "**AUDIO**(1/1, 1/2 ...)" and " ".

Note

- " " is displayed when there is one supported language in the disc.

DivX Feature Table

DivX Supported

Avi files are used to contain the audio and video data; these must be stored on CD in the ISO 9660 format.

		SPEC
VIDEO Compatibility	DivX3.11	Up to the latest VERSION
	WMV	WMV V1/V2/V3/V7
AUDIO Compatibility	MP3	CBR : 80kbps~320kbps
	AC3	CBR : 128kbps~448kbps
	WMA	CBR : 56kbps~160kbps

MPEGs containing DivX can be divided into Video and Audio.

- **Video compatibility** : All versions of DivX later than 3.11 (including the latest 5.1) are supported. In addition, XviD is supported. For WMV, V1, V2, V3, and V7 formats are possible.
- **Audio compatibility** : MP3s encoded at bit rates from 80kbps to 320kbps, AC3s from 128kbps to 448kbps, and WMAs from 56kbps to 160kbps are supported.
- **In addition, for subtitles, this unit will support Text format (SMI).**

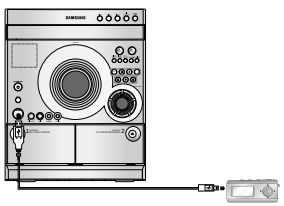
Note

- When playing the DivX disk, you can play the file with extension of AVI only.
- Among the available DivX audio formats, DTS Audio is not supported.
- WMV V8 is not supported for WMV files.
- When burning a subtitle file to a CD-ROM with your PC, be sure to burn it as an SMI file.

Playing Media Files using the USB feature

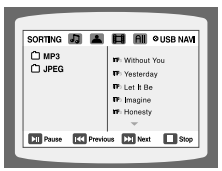
You can connect and play files from external USB storage devices such as MP3 players, USB flash memory, etc. using the player's USB function.

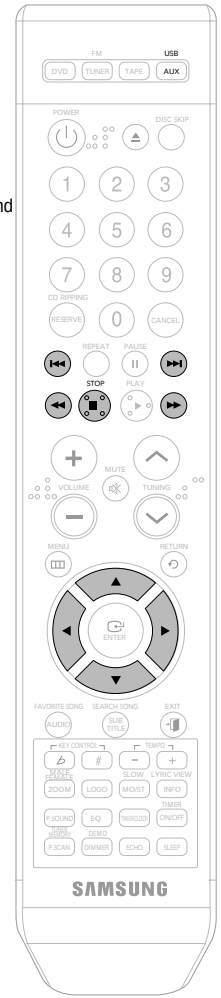
1 connect the USB cable.



2 Press the **USB/AUX** button on the remote control to select the USB mode.

- "**USB**" appears on the display screen and then disappear.
- USB SORTING screen appears on the TV screen and the saved file is played.



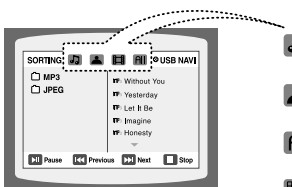


To stop playback, press the **STOP** (■) button.

Note

- Video files (DivX, WMV, MPEG, etc.) are supported.
- To prevent the loss of data saved in the USB device, please turn the unit off or switch it to another mode before disconnecting the USB cable.

To play a file in the USB menu screen,



- Music File Icon
- Image File Icon
- All File Icon
- Movie File Icon

Press the ◀ ▶ ▲ ▼ button when it is in stop status and select a desired icon from the top part of the menu.

- To play music files only, select the Icon.
- To view image files only, select the Icon.
- To select all files select the All Icon.
- To view movie files only, select the Icon.

Skip Forward/Back

During playback, press the ⏮ ⏭ button.

- When there is more than a file, when you press the ⏭ button, the next file is selected.
- When there is more than a file, when you press the ⏮ button, the previous file is selected.

Fast playback

To play back the disc at a faster speed, press and hold ◀◀ or ▶▶ during playback.

- Each time you press and hold either button, the playback speed will change as follows: 2x ➞ 4x ➞ 8x ➞ 32x ➞ Normal.

Compatible Devices

1. USB devices that support USB Mass Storage v1.0.
   (USB devices that operate as a removable disk in Windows (2000 or later) without additional driver installation.)
2. MP3 Player: HDD and flash type MP3 player.
3. Digital camera: PTP protocol is not supported.
   - Devices which require additional program installation when you have connected it to a computer, are not supported.
4. USB HDD and USB Flash Drive: Devices that support USB2.0 or USB1.1.
   - You may experience a difference in playback quality when you connect a USB1.1 device.
   - For a USB HDD, make sure to connect an auxiliary power cord to the USB HDD for proper operation.
5. USB card Reader: One slot USB card reader and Multi slot USB card reader
   - Depending on the manufacturer. the USB card reader may not be supported.
   - If you install multiple memory devices into a multi card reader, you may experience problems.

• Supported Formats

	File name	File extension	Bit rate	Version	Pixel	Sampling Frequency
Still Picture	JPG	JPG .JPEG	–	–	640X480	–
Music	MP3	.MP3	80~384kbps	–	–	44.1kHz
	WMA	.WMA	56~128kbps	V8	–	44.1kHz
Movie	WMV	.WMV	4Mbps	V1,V2,V3,V7 (V9 is not supported)	720x480	44.1KHz~48KHz
	DivX	.AVI,.ASF	4Mbps	DivX3.11~DivX5.1,XviD	800x600	44.1KHz~48KHz

- A device using NTFS file system is not supported.(Only FAT file system is supported.)

The USB host function of this product does not support all USB devices.
For the information on the supported devices,please see the Page 83.

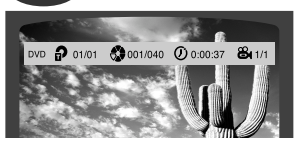
Displaying Disc Information

You can view playback information on the disc on the TV screen.

Press **INFO** button.

- Each time the button is pressed, the display changes as follows:

DVD



Display disappears

CD

Display disappears

MP3 JPEG DivX

Display disappears

Note

- Depending on the disc, the disc information display may appear different.
- Depending on the disc, you can also select DOLBY DIGITAL, or PRO LOGIC.

- **What is a Title?**
  A movie contained in a DVD disc.
- **What is a Chapter?**
  Each title on a DVD disc is divided into several smaller sections called "chapters".
- **appears on the TV screen!**
  If this symbol appears on the TV screen while buttons are being operated, that operation is not possible with the disc currently being played.
- **What is a Track (File)?**
  A section of video or a music file recorded on a CD, or MP3-CD.

Screen Display

DVD DVD display
MP3 MP3 CD display
TRACK (FILE) display
AUDIO LANGUAGE display
DOLBY DIGITAL display
CD CD display
TITLE display
ELAPSED TIME display
SUBTITLE display
ANGLE display
CHAPTER display
REPEAT PLAYBACK display
LR STEREO (L/R) display
DivX display

Fast/Slow Playback

Fast Playback DVD CD MP3

Press and hold ◀◀, ▶▶ .

- Each time the button is held down during playback, the playback speed changes as follows:

◀◀ 2X → ◀◀ 4X → ◀◀ 8X → ◀◀ 32X → ▶ PLAY

▶▶ 2X → ▶▶ 4X → ▶▶ 8X → ▶▶ 32X → ▶ PLAY

Slow Playback

Press **SLOW** button.

- Each time the button is pressed during playback, the playback speed changes as follows:

DVD: ▮▶ 1/2 → ▮▶ 1/4 → ▮▶ 1/8 → ◀▮ 1/2 → ◀▮ 1/4 → ◀▮ 1/8 → ▶ PLAY

DivX: ▮▶ 1/2 → ▮▶ 1/4 → ▮▶ 1/8 → ▶ PLAY

Note

- Reverse slow playback does not work with DivX.
- During fast playback of a CD or MP3-CD, sound is heard only at 2x speed, and not at 4x, 8x, and 32x speeds.

Skipping Scenes/Songs

DVD MP3

Briefly press ⏮ ⏭.

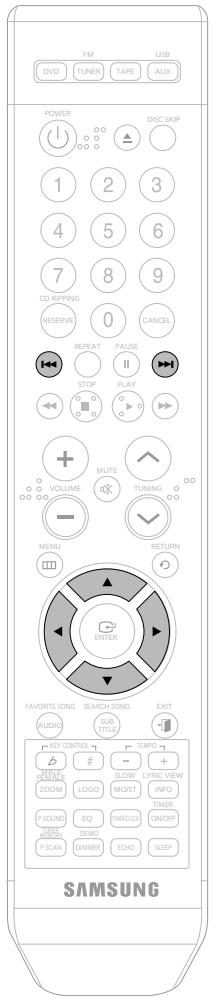
- Each time the button is pressed briefly during playback, the previous or next chapter, track, or directory (file) will be played.
- But, you cannot skip chapters consecutively.

DVD

MP3

Angle Function

This function allows you to view the same scene in different angles.



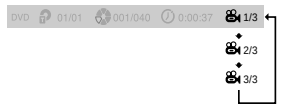
DVD

1 Press **INFO** button.

2 Press Cursor ▶ button to move to ANGLE display.

3 Press Cursor ▲, ▼ buttons or numeric buttons to select the desired angle.

- Each time the button is pressed, the angle changes as follows:



Note

- The Angle function works only with discs on which multiple angles have been recorded.

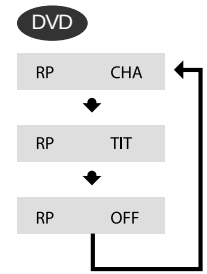
Repeat Playback

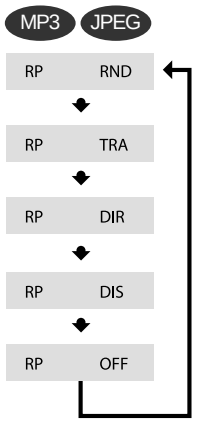
Repeat playback allows you to repeatedly play a chapter, title, track (song), or directory (MP3 file).

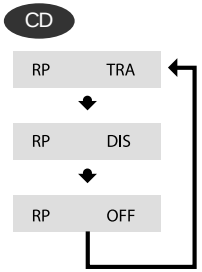
DVD CD MP3 JPEG

Press **REPEAT** button.

- Each time the button is pressed during playback, the repeat playback mode changes as follows:







Repeat Playback Options

CHA(CHAPTER)
Repeatedly plays the selected chapter.

TIT(TITLE)
Repeatedly plays the selected title.

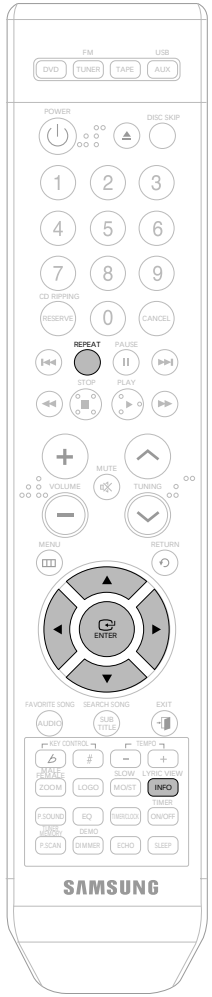
RAD(RANDOM)
Plays tracks in random order.
(A track that has already been played may be played again.)

TRA(TRACK)
Repeatedly plays the selected track.

DIR
Repeatedly plays all tracks in the selected folder.

DIS(DISC)
Repeatedly plays the entire disc.

OFF
Cancels Repeat Playback.



ENG

OPERATION

DVD CD

To Select a Repeat Playback Mode in the Disc Information Screen

1 Press **INFO** button twice .

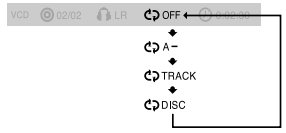
- For a CD,press INFO button once.

2 Press Cursor ▶ button to move to REPEAT PLAYBACK display.

3 Press Cursor ▼ button to select the desired Repeat Playback mode.

DVD

CD



4 Press **ENTER** button.

Note

- For MP3 and JPEG discs, you cannot select Repeat Play from the information display screen.

A↔B Repeat Playback

DVD CD

1 Press **INFO** button twice.

2 Press the Cursor ▶ button to move to the REPEAT PLAYBACK (↻) display.

3 Press the Cursor ▲, ▼ button to select <A-> and then press the **ENTER** button at the beginning of the desired segment.

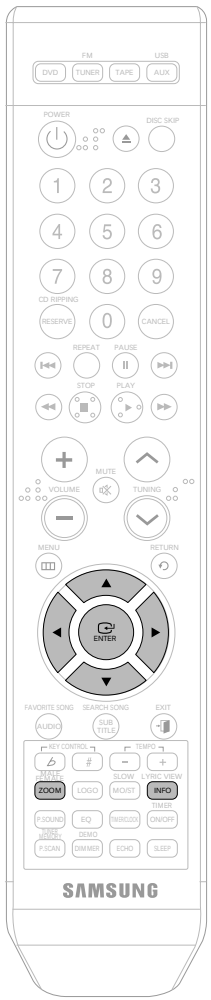
When the **ENTER** button is pressed, the selected position will be stored in memory.

4 Press the **ENTER** button at the end of the desired segment.

The specified segment will be played repeatedly.

REPEAT: A-B

➢ To return to normal playback, press the Cursor ▲, ▼ button to select ↻ OFF.



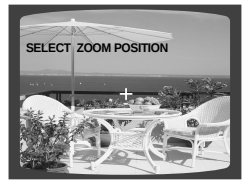
- The A-B Repeat function does not operate with DivX, MP3 or JPEG discs.
- The Zoom function does not operate with DivX discs.

Zoom Function

This function allows you to enlarge a particular area of the displayed image.

Zoom (Screen Enlarge) Function DVD

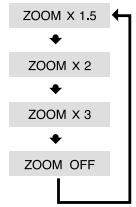
1 Press **ZOOM** button.



2 Press Cursor ▲, ▼, ◀, ▶ buttons to move to the area you want to enlarge.

3 Press **ENTER** button.

- Each time the button is pressed, the zoom level changes as follows:



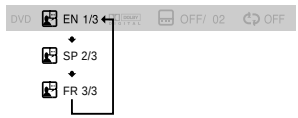
Selecting Audio/Subtitle Language

Audio Language Selection Function DVD

1 Press **INFO** button twice.

2 Press Cursor ▲, ▼ buttons or numeric buttons to select the desired audio language.

- Depending on the number of languages on a DVD disc, a different audio language (ENGLISH, SPAIN,JAPANESE, etc.) is selected each time the button is pressed.

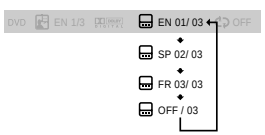


Subtitle Language Selection Function DVD

1 Press **INFO** button twice.

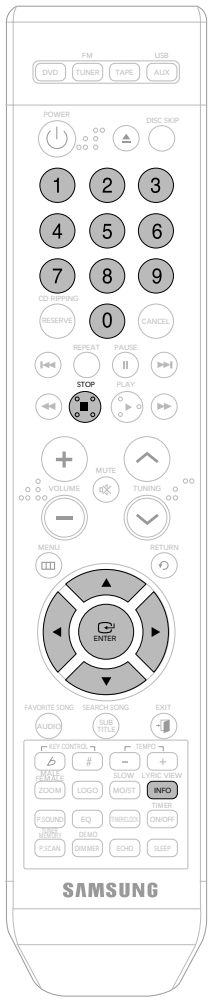
2 Press Cursor ▶ button to move to SUBTITLE display.

3 Press Cursor ▼ button or numeric buttons to select the desired subtitle.



Note

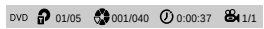
- You can use the SUBTITLE button on the remote control to select a subtitle language.
- Depending on the disc, the Subtitle and Audio Language functions may not work.



Moving Directly to a Scene/Song

DVD CD

1 Press **INFO** button.

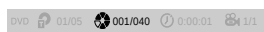


Moving to a Title/Track

2 Press Cursor ▲, ▼ buttons or numeric buttons to select the desired title/track and then press **ENTER** button.

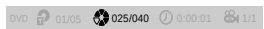
Moving to a Chapter

3 Press Cursor ◀, ▶ buttons to move to Chapter display.



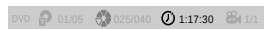
Moving to a Chapter

4 Press Cursor ▲, ▼ buttons or numeric buttons to select the desired chapter and then press **ENTER** button.



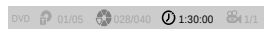
Moving to a Specific Time

5 Press Cursor◀, ▶ buttons to move to time display.



Moving to a Specific Time

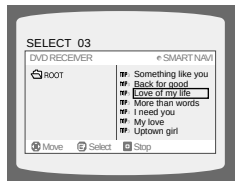
6 Press the numeric buttons to select the desired time and then press **ENTER** button.



MP3 JPEG

Press the **numeric** buttons.

- The selected file will be played.
- An MP3 or JPEG disc cannot be moved from the disc information screen.
- When playing an MP3 or JPEG disc, you cannot use ▲, ▼ to move a folder. To move a folder, press ■ (Stop) and then press ▲, ▼ .



Note

- You can press ⏮ ⏭ on the remote control to move directly to the desired title, chapter, or track.
- Depending on the disc, you may not be able to move to the selected title or time.

Using Disc Menu

You can use the menus for the audio language, subtitle language, profile, etc.
DVD menu contents differ from disc to disc.

DVD

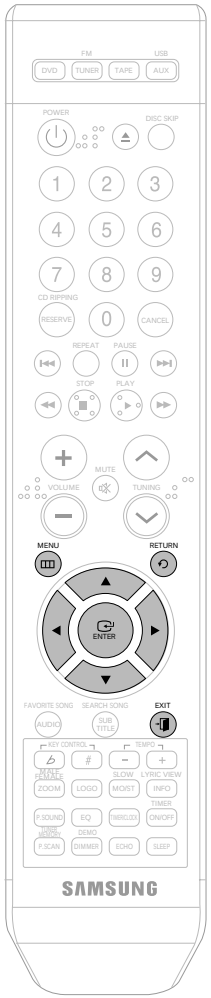
1 In stop mode, press **MENU** button.

2 Press Cursor ▲, ▼ buttons to move to 'DISC MENU' and then press **ENTER** button.

- When you select the disc menu that is not supported by the disc, the "**This menu is not supported**" message appears on the screen.

3 Press Cursor ▲, ▼ ◀, ▶ buttons to select the desired item.

4 Press **ENTER** button.



Using the Title Menu

ENG

For DVDs containing multiple titles, you can view the title of each movie.
Depending on the disc, this function may either not work at all or may work differently.

DVD

1 In stop mode, press **MENU** button.

2 Press Cursor ▲, ▼ button to move to 'Title Menu'.

3 Press **ENTER** button.

- The title menu appears.

OPERATION

Press **RETURN** button to return to the previous level.

Press **MENU** button to exit the setup screen.

Press **EXIT** button to exit the setup screen.

Setting the Language

OSD language is set to English by default.

1 In stop mode, press **MENU** button.

2 Press Cursor ▼ button to move to 'Setup' and then press **ENTER** button.

3 Press **ENTER** button.

4 Press Cursor ▲,▼ button to select the desired item and then press **ENTER** button.

5 Press Cursor ▲,▼ button to select the desired language and then press **ENTER** button.

- Once the setup is complete, if the language was set to English, OSD will be displayed in English.

Note

- To select other language, select OTHER and enter the language code of your country.
  (See 36 page for language code of countries)
  AUDIO, SUB TITLE and DISC MENU language can be selected.

Selecting the OSD Language

Selecting the Audio Language (recorded on the disc)

Selecting the Subtitle Language (recorded on the disc)

Selecting the Disc Menu Language (recorded on the disc)

* If the language you selected is not recorded on the disc, menu language will not change even if you set it to your desired language.

Press **MENU** or **EXIT** button to exit the setup screen.

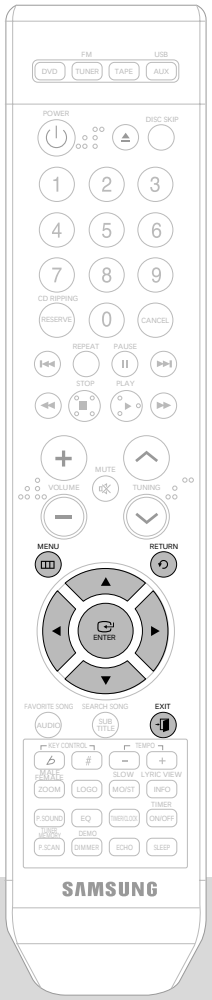
Press **RETURN** button to return to the previous level.

Language Code List

Enter the appropriate code number for the initial settings "Disc Audio", "Disc Subtitle" and/or "Disc Menu" (See page 35).

Code	Language	Code	Language	Code	Language	Code	Language
1027	Afar	1181	Frisian	1334	Latvian, Lettish	1506	Slovenian
1028	Abkhazian	1183	Irish	1345	Malagasy	1507	Samoan
1032	Afrikaans	1186	Scots Gaelic	1347	Maori	1508	Shona
1039	Amharic	1194	Galician	1349	Macedonian	1509	Somali
1044	Arabic	1196	Guarani	1350	Malayalam	1511	Albanian
1045	Assamese	1203	Gujarati	1352	Mongolian	1512	Serbian
1051	Aymara	1209	Hausa	1353	Moldavian	1513	Siswati
1052	Azerbaijani	1217	Hindi	1356	Marathi	1514	Sesotho
1053	Bashkir	1226	Croatian	1357	Malay	1515	Sundanese
1057	Byelorussian	1229	Hungarian	1358	Maltese	1516	Swedish
1059	Bulgarian	1233	Armenian	1363	Burmese	1517	Swahili
1060	Bihari	1235	Interlingua	1365	Nauru	1521	Tamil
1069	Bislama	1239	Interlingue	1369	Nepali	1525	Tegulu
1066	Bengali; Bangla	1245	Inupiak	1376	Dutch	1527	Tajik
1067	Tibetan	1248	Indonesian	1379	Norwegian	1528	Thai
1070	Breton	1253	Icelandic	1393	Occitan	1529	Tigrinya
1079	Catalan	1254	Italian	1403	(Afan) Oromo	1531	Turkmen
1093	Corsican	1257	Hebrew	1408	Oriya	1532	Tagalog
1097	Czech	1261	Japanese	1417	Punjabi	1534	Setswana
1103	Welsh	1269	Yiddish	1428	Polish	1535	Tonga
1105	Danish	1283	Javanese	1435	Pashto, Pushto	1538	Turkish
1109	German	1287	Georgian	1436	Portuguese	1539	Tsonga
1130	Bhutani	1297	Kazakh	1463	Quechua	1540	Tatar
1142	Greek	1298	Greenlandic	1481	Rhaeto-Romance	1543	Twi
1144	English	1299	Cambodian	1482	Kirundi	1557	Ukrainian
1145	Esperanto	1300	Kannada	1483	Romanian	1564	Urdu
1149	Spanish	1301	Korean	1489	Russian	1572	Uzbek
1150	Estonian	1305	Kashmiri	1491	Kinyarwanda	1581	Vietnamese
1151	Basque	1307	Kurdish	1495	Sanskrit	1587	Volapuk
1157	Persian	1311	Kirghiz	1498	Sindhi	1613	Wolof
1165	Finnish	1313	Latin	1501	Sangro	1632	Xhosa
1166	Fiji	1326	Lingala	1502	Serbo-Croatian	1665	Yoruba
1171	Faeroese	1327	Laothian	1503	Singhalese	1684	Chinese
1174	French	1332	Lithuanian	1505	Slovak	1697	Zulu

Setting TV Screen type



1 In stop mode, press **MENU** button.

2 Press Cursor ▼ button to move to 'Setup' and then press **ENTER** button.

3 Press Cursor ▼ button to move to 'TV DISPLAY' and then press **ENTER** button.

4 Press Cursor ▲,▼ button to select the desired item and then press **ENTER** button.

- Once the setup is complete, you will be taken to the previous screen.

Press **RETURN** button to return to the previous level.

Press **MENU** button to exit the setup screen.

Press **EXIT** button to exit the setup screen.

Adjusting the TV Aspect Ratio (Screen Size)

The horizontal to vertical screen size ratio of conventional TVs is 4:3, while that of wide screen and high definition TVs is 16:9. This ratio is called the aspect ratio. When playing DVDs recorded in different screen size, you should adjust the aspect ratio to fit your TV or monitor.

✶ For a standard TV, select either "4:3LB" or "4:3PS" option according to personal preference. Select "16:9" if you have a wide screen TV.

WIDE/HDTV : Select this to view a 16:9 picture in the full-screen mode on your wide screen TV.
- You can enjoy the wide screen aspect.

4:3LB (4:3 Letter box) : Select this to play a 16:9 picture in the letter box mode on a conventional TV.
- Black bars will appear at the top and bottom of the screen.

4:3PS (4:3 Pan&Scan) : Select this to play a 16:9 picture in the pan & scan mode on a conventional TV.
- You can see the central portion of the screen only (with the sides of the 16:9 picture cut off).

Note
- If a DVD is in the 4:3 ratio, you cannot view it in wide screen.
- Since DVD discs are recorded in various image formats, they will look different depending on the software, the type of TV, and the TV aspect ratio setting.

Setting Parental Controls (Rating Level)

Use this to restrict playback of adult or violent DVDs you do not want children to view.

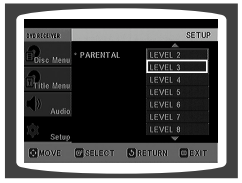
1 In stop mode, press **MENU** button.

2 Press Cursor ▼ button to move to 'Setup' and then press **ENTER** button.

3 Press Cursor ▼ button to move to 'PARENTAL' and then press **ENTER** button.

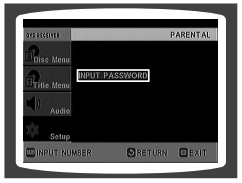
4 Press Cursor ▲,▼ button to select the desired rating level and then press **ENTER** button.

- If you have selected Level 6, you cannot view DVDs with Level 7 or higher.
- The higher the level, the closer the content is to violent or adult material.



5 Enter the password and then press **ENTER** button.

- The password is set to "7890" by default.
- Once the setup is complete, you will be taken to the previous screen.



Note

- This function works only if a DVD disc contains the rating level information.

Press **RETURN** button to return to the previous level.

Press **MENU** button to exit the setup screen.

Press **EXIT** button to exit the setup screen.

Setting the Password

You can set the password for the Parental (rating level) setting.

1 Press **MENU** button.

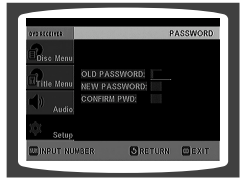
2 Press Cursor ▼ button to move to 'Setup' and then press **ENTER** button.

3 Press Cursor ▼ button to move to 'PASSWORD' and then press **ENTER** button.

4 Press **ENTER** button.

5 Enter the password and then press **ENTER** button.

- Enter the old password, a new password, and confirm new password.
- The setting is complete.



Press **RETURN** button to return to the previous level.

Press **CANCEL** button to cancel the error numeric when you inputting password.

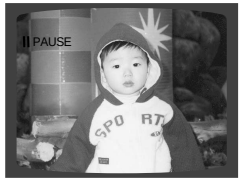
Press **MENU** button to exit the setup screen.

Setting the Wallpaper JPEG DVD

While watching a DVD or JPEG CD, you can set the image you like as a wallpaper.

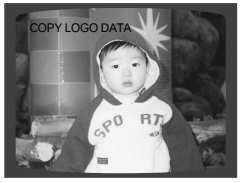
Setting the Wallpaper

1 During playback, press the **PAUSE** button when an image you like appears.



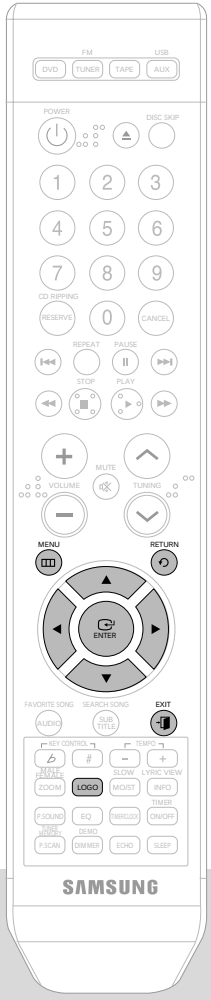
2 Press **LOGO** button.

- "**COPY LOGO DATA**" will be displayed on the TV screen.



3 The power will turn off and then back on.

- The selected wallpaper will be displayed.
- You can select up to 3 wallpaper settings.



Select this to set the Samsung Logo image as your wallpaper.

Select this to set the desired image as your wallpaper.

To Change the Wallpaper

1 Press **MENU** button.

2 Press Cursor ▼ button to move to 'Setup' and then press **ENTER** button.

3 Press Cursor ▼ button to move to 'LOGO' and then press **ENTER** button.

4 Press ▼ to select the desired 'USER', and then press **ENTER**.

5 Press **MENU** button to exit the setup screen.

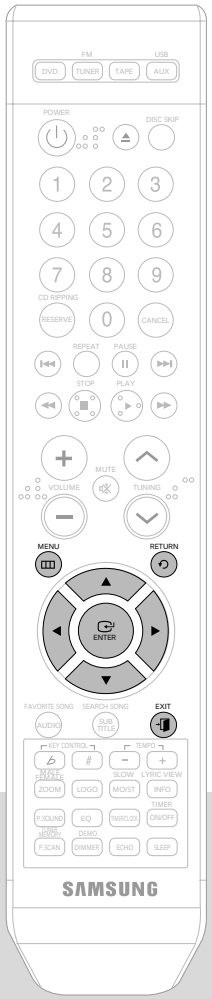
Press **RETURN** button to return to the previous level.

Press **MENU** button to exit the setup screen.

Press **EXIT** button to exit the setup screen.

Setting the DRC (Dynamic Range Compression)

You can use this function to enjoy Dolby Digital sound when watching movies at low volume at night.



1 In stop mode, press **MENU** button.

2 Press Cursor ▼ button to move to 'Audio' and then press **ENTER** button.

3 If "**DRC**" is selected, press **ENTER**.

4 Press Cursor ▲, ▼ to adjust the 'DRC'.

- The more times the Cursor ▲ button is pressed, the greater the effect, and the more times Cursor ▼ button is pressed, the smaller the effect.

Press **RETURN** button to return to the previous level.

Press **MENU** button to exit the setup screen.

Press **EXIT** button to exit the setup screen.

AV SYNC Setup

Video may look slower than the audio if it is connected with digital TV.
In this case, adjust the delay time of audio to optimal status to fit the video.

1 In stop mode, press **MENU** button.

- Setup menu appears.

2 Press Cursor ▲, ▼ buttons to move to 'Audio' and then press **ENTER** button.

- 'Audio' menu appears.

3 Press Cursor ▲, ▼ buttons to move to 'AV-SYNC' and then press **ENTER** button.

- AV-SYNC screen appears.

4 Press Cursor ▲, ▼ buttons to select the Delay Time of AV-SYNC and then press the **ENTER** button.

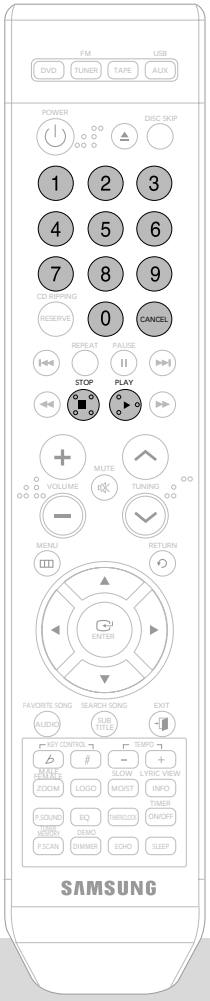
- You can set the audio delay time between 0 ms and 300 ms. Set it to the optimal status.

Press **RETURN** button to return to the previous level.

Press **MENU** button to exit the setup screen.

Playing DVD-OK Discs

You can enjoy the feeling of a karaoke bar in the comfort of your home. Watch the video and sing along the lyrics displayed on the TV screen with company.



1 Use the **NUMBER** (0~9) buttons to select the song you want to play back.

- The numeric and title of the song will be displayed on top of the screen.

2 Press the **PLAY**(▶) button .

- The title of the song will be displayed on the screen and the accompaniment starts.

To Clear Incorrectly Entered Song Numeric

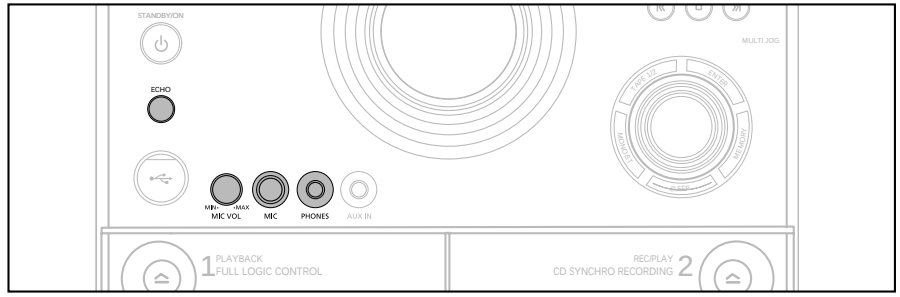
- Press the **CANCEL** button.

To Stop During Accompaniment

- Press the **STOP** button.

Connecting Headphone /Microphone Function

You can enjoy the feeling of a karaoke bar in the comfort of your home. Watch the video and sing along the lyrics displayed on the TV screen against the accompaniment.



Connect the headphone to the PHONES jack on the front panel.

- The loudspeakers are no longer used to output the sound.

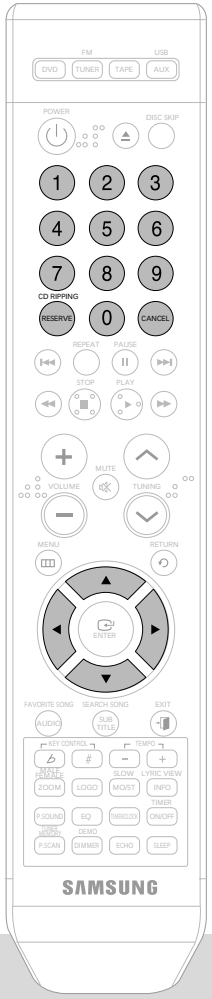
Plug a microphone with a 6.3ø MIC jack into the Mic terminal.

- Press the **MIC -,+** button to adjust the **MIC** level.
- Press the **ECHO** button to select ECHO1,ECHO2, and ECHO OFF.

Note

- If you hear strange noises (squealing or howling) while using the Karaoke feature, move the microphone away from the speakers. Turning down the microphone volume or the speaker volume is also effective.
- Prolonged use of headphone at a high volume may damage your hearing.

Reserving A Song



Case 1>
1. In Stop / Play mode, use the **number (0~9)** button to select a song.
2. Press the **RESERVE** button.

Case 2>
1. In the Search song list, use the ▲, ▼, ◀, ▶ button to select a song.
2. Press the **RESERVE** button.

Case 3>
1. In the Favorite list, use the ▲, ▼, ◀, ▶ button to select a song.
2. Press the **RESERVE** button.

Reserving A Song During Accompaniment

While the accompaniment is playing, you can reserve the next song you want to sing.

1 Press the number (0~9) buttons to select the song you want to reserve.

2 Press the **RESERVE** button.

The next song is reserved.

To Cancel the Reservation

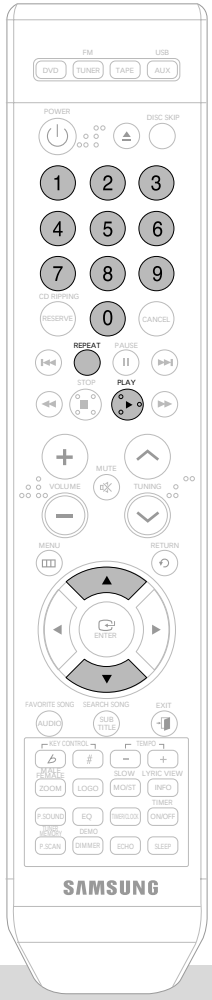
1. Enter the number of the song you have reserved.
2. Press the **CANCEL** button.

Note

- RESERVE function will not operate if REPEAT function is set while DVD-OK is played.
- A maximum of ten songs can be reserved.

Priority Playing Accompaniment Music

Even if there is a song already reserved, you can have the song you want to sing to be played first.



1 In Stop mode, press the **NUMBER** (0~9) buttons to select the song you want to play back.

2 Press the **PLAY**(▶) button

DVD-OK Repeat Play

1 During the stop mode or accompaniment, press the **REPEAT** button.

2 Press ▲,▼ button to select the state of REPEAT mode.

3 Each time the button is pressed, the selection is changed as follows :

Normal ⟷ 1 ⟷ ALL ⟷ R

Normal: Repeat Off
1: Repeat the selected song.
ALL: Repeat all songs.
R: Repeat songs in random order.

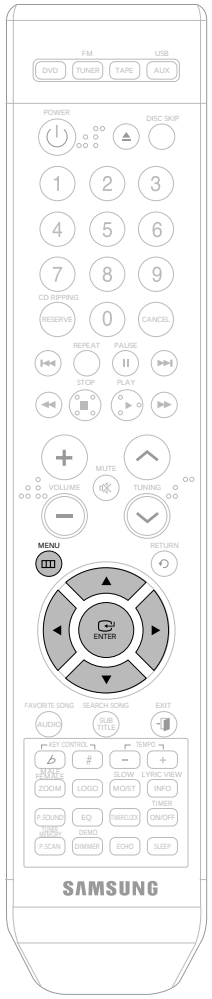
Note

- RESERVE function will not operate if REPEAT function is set while **DVD-OK** is played.

Karaoke Setting Function

- It consists of two modes: Karaoke and Setup.
- In Karaoke mode, you can select from Search song/ Favorite List/ Bowling game.
- In Setup mode, you can select from Back-vocal/ Fanfare/ Assesment level/ Shadow/ Language.

1. Press the MENU button in Stop mode.
2. Use the ▲, ▼ button to select a desired mode (Karaoke/ Setup) and use the ▲, ▼, ◀, ▶ button to select a desired item.



Setting the Back-vocal

You can set the back-vocal to ON or OFF.

1 Load a DVD-OK disc.

2 Press **MENU** button.

3 Use the ▲,▼,◀,▶ button to select **SETUP→Back-vocal.**

4 Use the ▲,▼ button to select the desired item and press the **ENTER** button.

The selection changes as follows : On→Off

Note

- If you operate the Tempo function while a song with supporting chorus is played back, the chorus will be released.
- Back-vocal function may not work depending on information recorded in the disc.

Setting the Fanfare

You can set Fanfare to come out after singing a song.

1 Load a DVD-OK disc.

2 Press **MENU** button.

3 Use the ▲,▼,◀,▶ button to select **SETUP→Fanfare.**

4 Use the ▲,▼ button to select the desired item and press the **ENTER** button.

The selection changes as follows : On→Off

Note

- The Fanfare does not work if Assessment Level is less than 60 points.

Setting the Assessment Level

You can set the grade of scores displayed in the screen in advance.

1 Load a DVD-OK disc.

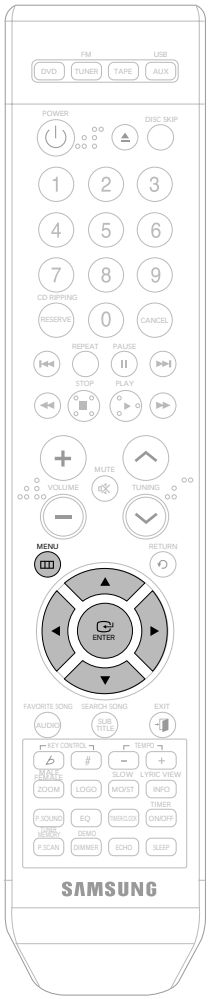
2 Press **MENU** button.

3 Use the▲,▼,◀,▶ button to select **SETUP→ Assessment Level.**

4 Use the ▲,▼ button to select the desired item and press the **ENTER** button.

The selection changes as follows :
Off→Easy→Middle→Hard

Karaoke Setting Function (Continue)



Setting the Shadow

You can set the lyrics to be displayed on the blue shadow box.

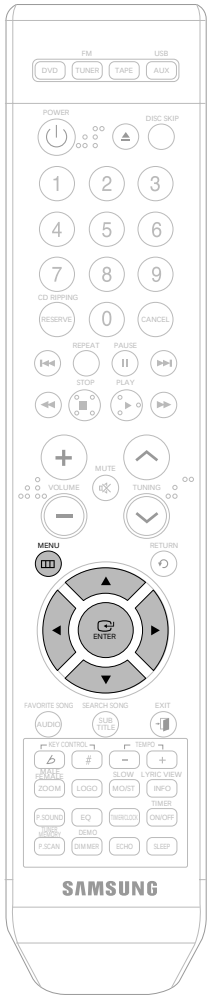
1 Load a DVD-OK disc.

2 Press **MENU** button.

3 Use the ▲,▼,◀,▶ button to select **SETUP→Shadow.**

4 Use the▲,▼ button to select the On/Off popup and use the **ENTER** button to select a desired item.

The selection changes as follows : On→Off



Setting the Language

You can select the OSD language between English and Russian.

1 Load a DVD-OK disc.

2 Press **MENU** button.

3 Use the ▲,▼,◀,▶ button to select **SETUP→Language.**

4 Use the ▲,▼ button to select the **English/Russian** popup and use the **ENTER** button to select a desired item.

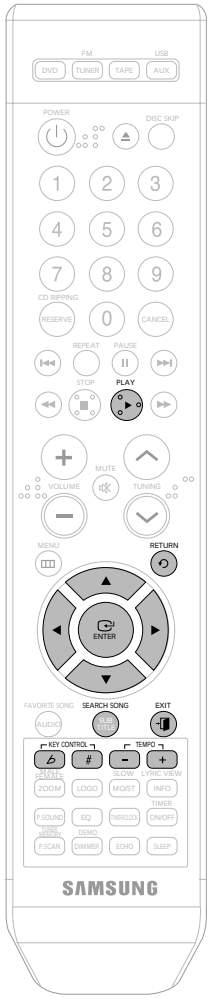
The selection changes as follows : English→Russian

Searching Song Function

You can easily search songs on screen without viewing the song list book.
Pressing the (◀ , ▶) button in Song list mode will move one page at a time. ▲, ▼ moves one song at a time.

Structure of Song Search

Items	Detailed Items	Alphabet(and Number)
Russian	Title	A ~ Я , 1~0
Ukrainian	Artist	A ~ Я , 1~0
Foreign		A ~ Я , 1~0
Duets	Title	
Genres	Rock Chanson Folk Ballad Romances	
Hits	Modern 70-80 Kids Patriotic	



Searching by Language

1 During the stop mode, press the **SEARCH SONG** button. or in MENU mode, use the ▲,▼, ◀, ▶ button to select the language you want.

2 Press the **b** button, use the ▲,▼ button to select the language you want.

- You can select the language among **Russian → Ukrainian → Foreign**.
- At this time, press **RETURN** button to move to the song list on the bottom.

3 Press # button and then press the ▲,▼ button to select the **Title** or **Artist**.

4 Press **TEMPO** (-) button to move to alphabet and press ▲,▼ button to select a character.

5 Press the **TEMPO** (+) button and then press the ▲,▼ button to move to the detailed items.

6 Press **ENTER** button to move to the song list and then press ▼ ,▲ button to select the song you want.

7 Press the PLAY button to play back the selected song.

To Exit Search Song Screen

Press EXIT button.

Search Song Function (Continue)

You can easily do song search on screen without viewing the song list book.

Searching DUET SONG

1 During the stop mode, press the **SEARCH SONG** button. or in MENU mode, use the ▲,▼, ◀, ▶button to select Karaoke→SEARCH SONG.

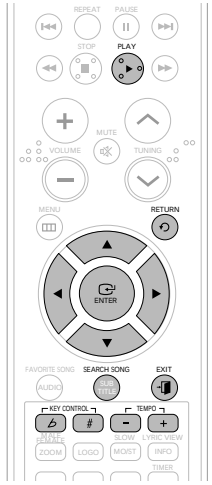
2 Press the **b** button, use the ▲,▼ button to select the Duets.

- At this time, press **RETURN** button to move to the song list on the bottom.

3 Press # button to select the **Title** .

4 Press **TEMPO** (-) button to move to alphabet and press ▲,▼ button to select a character.

5 Press the **TEMPO** (+) button and then press the ▲,▼ button to move to the detailed items.



6 Press **ENTER** button to move to the song list and then press ▼, ▲ button to select the song you want.

7 Press the **PLAY** button to play back the selected song.

To Exit Search Song Screen

Press **EXIT** button.

Searching by Genre

1 During the stop mode, press the **SEARCH SONG** button. or in MENU mode, use the ▲,▼, ◀, ▶button to select Karaoke→SEARCH SONG.

2 Press the **b** button, use the ▲,▼ button to select the **Genres**.

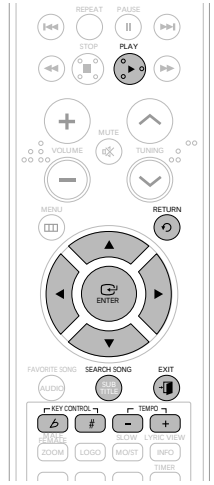
- At this time, press **RETURN** button to move to the song list on the bottom.

3 Press # button and then press the ▲,▼ button to select the genre you want.

- You can select the genre among :ROCK → Chanson → Folk → Ballad → Romances.

4 Press **TEMPO** (-) button to move to alphabet and press ▲,▼ button to select a character.

5 Press the **TEMPO** (+) button and then press the ▲,▼ button to move to the detailed items.



6 Press **ENTER** button to move to the song list and then press ▼, ▲ button to select the song you want.

7 Press the **PLAY** button to play back the selected song.

To Exit Search Song Screen

Press **EXIT** button.

Search Song Function (Continue)

You can easily do song search on screen without viewing the song list book.

Searching by HIT SONGS

1 During the stop mode, press the **SEARCH SONG** button. or in MENU mode, use the ▲,▼, ◀, ▶button to select Karaoke→SEARCH SONG.

2 Press the **b** button, use the ▲,▼ button to select the **Hits**.

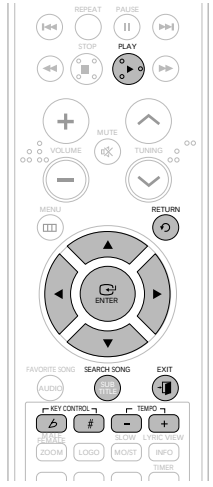
- At this time, press **RETURN** button to move to the song list on the bottom.

3 Press # button and then press the ▲,▼ button to select the hits song.

- You can select the song list among the detailed category: Modern → 70~80 → Kids → Patriotic.

4 Press **TEMPO** (-) button to move to alphabet and press ▲,▼ button to select a character.

5 Press the **TEMPO** (+) button and then press the ▲,▼ button to move to the detailed items.



6 Press **ENTER** button to move to the song list and then press ▼,▲ button to select the song you want.

7 Press the **PLAY** button to play back the selected song.

To Exit Search Song Screen

Press **EXIT** button.

Favorite Song Function

You can save the song you like or sing often in the Favorite list 1,2 or 3 with which you can easily find and sing a song. You can save 50 songs for each Favorite list.

Saving FAVORITE SONG

Case 1>

1. During the stop mode, press the **FAVORITE SONG** button.
- During the Menu mode, Use Cursors ▲,▼,◀,▶ button to select **Favorite Lists**.

2. Press ***b, #, -*** button to select the location to save among **FAVORITE1, 2, 3**.
3. Press the **number (0~9)** button to enter the song you want.
4. Press the **FAVORITE SONG** button to save it on the favorite list.

Case 2>

1. Select Search Song function.
2. Select a song and press **FAVORITE SONG** button to add to Favorite.
3. Select a location of Favorite, and press **ENTER** button.

Case 3>

1. During the playback, press PAUSE (**II**) button.
2. Press **FAVORITE** SONG button.
3. Press ▲,▼ button to select the favorite list you want to save the song.
4. Press **ENTER** button to save the song.

Deleting FAVORITE SONG

1. Press the FAVORITE SONG button in Stop mode, or use ▲,▼,◀,▶ button to select Karaoke → Favorite lists in Menu screen.
2. Use the ***b, #, -*** buttons to select a desired Favorite list.
3. Select a song to delete and press the **CANCEL** button.

Favorite Song Function (Continue)

You can save the song you like or sing often in the Favorite list 1,2 or 3 with which you can easily find and sing a song. You can save 50 songs for each Favorite list.

Singing FAVORITE SONG

1 During the stop mode, press the **FAVORITE SONG** button. or in MENU mode, use the ▲, ▼, ◀, ▶ button to select Karaoke→Favorite lists.

2 Use the ***b, #, -*** buttons to select a desired Favorite list.

3 Press ▲, ▼ button to select the song you want.

4 Press the **PLAY** button to play back the selected song.

To Exit FAVORITE SONG Screen, press **EXIT** button.

Lyric View Function

You can view lyrics for the current music.

1 Plays a song from Stop Mode/Favorite Song/Search Song/Bowling Game.

2 Press the Pause button and then press the LYRIC VIEW Button.

3 Use the ▲, ▼ button to move to a desired lyric text.

To exit the Lyric View mode, press the EXIT button.

Key Control / Tempo Control/ Male-Female key control

Key Control

During the playback, press the **KEY CONTROL** b, # buttons.

- Each time # button is pressed, the key is increased, and each time b button is pressed, the key is decreased.

Tempo Control

During the playback, press the **TEMPO** -, + buttons.

- Each time + button is pressed, the tempo gets faster, and each time – button is pressed the tempo gets slower.

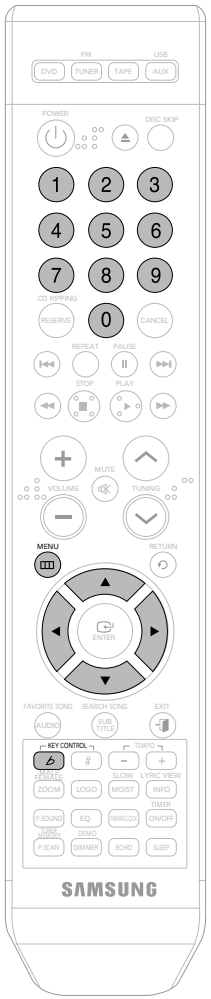
Male-Female Key Control

During the playback, press the **MALE(FEMALE)** button.

- Each time the MALE/FEMALE button is pressed, this selection alternates between Male and Female.
- selection alternates between Male and Female.when singing in female voice.

Bowling Game Function

- You can make a team to participate in a singing contest.
- You can make the singing contest in up to 5 rounds with 3 different teams (max).
- One team can select 1st, 3rd or 5th round in a 2- or 3-teams contest.



1 Press the MENU button in Stop mode.

2 Use the ▲,▼, ◀, ▶ button to select Karaoke→Bowling Game.

Starting Bowling Game

1 Select Bowling Game mode.

2 Use the ▲,▼,◀,▶ button to move to the team or to the applicable round and choose a song.

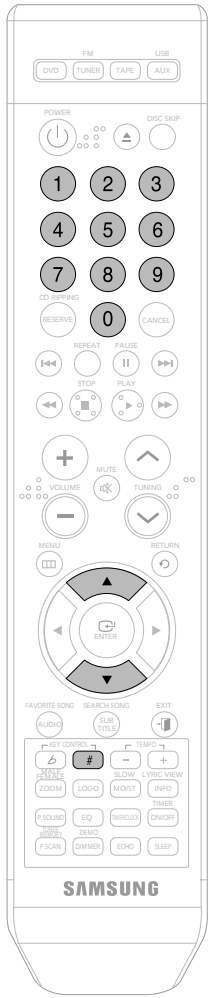
3 Use the number (0~9) button or the Search Song list to select a song.

4 When done, press the b button to start the game.

- You can select a song in any round of the contest, not just at your turn.
- If you do not select a song, a random song will be played.

Bowling Game Function (continue)

reserving a song in the Bowling Game



1 In Bowling Game mode, use the number (0~9) button to select a song.

- or In Bowling Game mode, press the SEARCH SONG button. Select a song in the Search song list.

To return to the Bowling Game mode, press the EXIT button.

Setting Bowling Game

1 In Bowling Game mode, select the # button.

2 Use the ▲,▼ button to select a desired item (Team, Round) and press the ENTER button.

3 When a dialog box pops up, use the ▲,▼ button to select a desired number and press the ENTER button.

4 To apply your settings, press the # button.

Listening to Radio

You can listen to the chosen band (FM broadcast stations) by using either the automatic or manual tuning operation.

Remote Control Unit

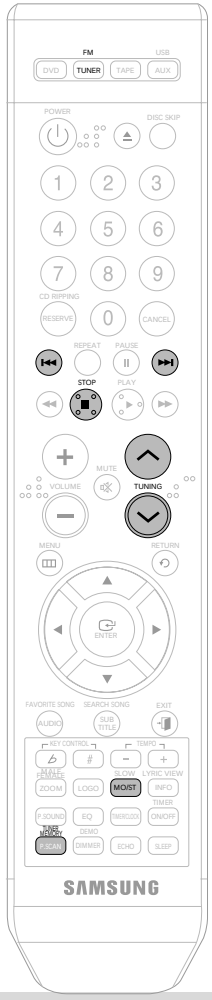
1 Press **FM/TUNER** button.

2 **Tune in to the desired station.**

Automatic Tuning 1 Press ⏮ ⏭ button to select the preset station.

Automatic Tuning 2 Press and hold TUNING button to automatically search the band.

Manual Tuning Briefly press TUNING button to increase or decrease the frequency incrementally.



Main Unit

1 Press the **FM/TUNER** button to select the FM band.

2 Select a broadcast station.

Automatic Tuning 1 Press the **STOP** (□) button to select PRESET and then press ⏮ , ⏭ button or turn Multi Jog Knob to select the preset station.

Automatic Tuning 2 Press the **STOP** (□) button to select "**AUTO**" and then press ⏮ , ⏭ button or turn Multi-Jog Knob to automatically search the band.

Manual Tuning Press **STOP** (□) to select MANUAL and then briefly press ⏮ , ⏭ or turn Multi Jog Knob to tune in to a lower or higher frequency.

Press **MONO/ST** button to listen in Mono/Stereo.
(This applies only when listening to an FM station.)

- Each time the button is pressed, the sound switches between "STEREO" and "MONO".
- In a poor reception area, select MONO for a clear, interference-free broadcast.

Presetting Stations

You can store up to:

♦ 15 FM stations

Example: Presetting FM 89.1 in the memory

1 Press the **FM/TUNER** button and select the FM band.

- "FM" displays.

2 Press TUNING to select "89.10".

- Refer to Step 2 on page 63 to automatically or manually tune in to a station.

3 Press the **TUNER MEMORY** button.

4 Press ⏮ ⏭ to select preset number.

- You can select between 1 and 15.

5 Press the **TUNER MEMORY** button.

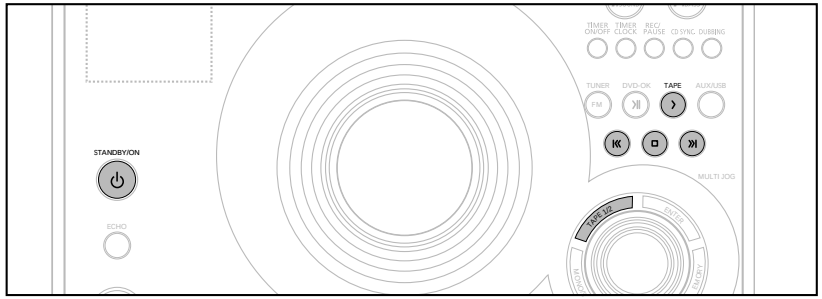
- If you can't press "TUNER MEMORY" in 5 seconds, the preset disappears and "FM" displays.

6 To preset another station, repeat steps 2 to 5.

To tune in to a preset station, press ⏮ ⏭ on the remote control to select a channel.

Listening to a Cassette

Always treat your cassettes with care; refer, if necessary, to the section entitled "Precautions When Using Audio Cassettes" on page 77.



1 Switch the system on by pressing **STANDBY ON**.

2 Press **TAPE** on the player to select the Tape function.

3 Press the **PUSH EJECT** (⏏) of the cassette deck to open the cassette door and insert a cassette.

- Insert a cassette with the recording/playback side facing the cassette holder, and then push the cassette door shut.

4 Press the > button. The cassette starts playing.

- Side A,B:Tape (>) button Press Tape 1/2 button to select the cassette to be played.

5 Press the I<<, >>I button if necessary.

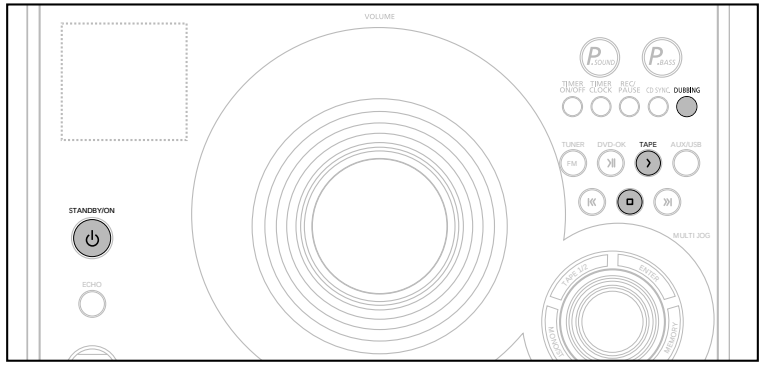
- Rewind the cassette ,press the I<< button.
- Fast-forward the cassette, press the >>I button.

6 Press **STOP** button to finish playback.

Coping a Cassette(Dubbing)

You can copy a cassette from Tape 1 to Tape 2.

- Normal speed dubbing in selecting Tape function mode.
- You do not need to adjust the volume, as it has no effect on the recording.
- Take care not to insert the tape to be copied in Tape 2, as it will be erased when you start recording.



1 Switch the system on by pressing **STANDBY/ON**.

2 Insert a blank cassette in **Tape 2**.

3 Insert the tape to be copied in **Tape 1**.

4 Press **DUBBING** button to copy a cassette.

The appropriate indications are displayed and the cassette in Tape 1 is copied to the cassette in Tape 2.

5 Press **STOP** button to finish coping.

Note

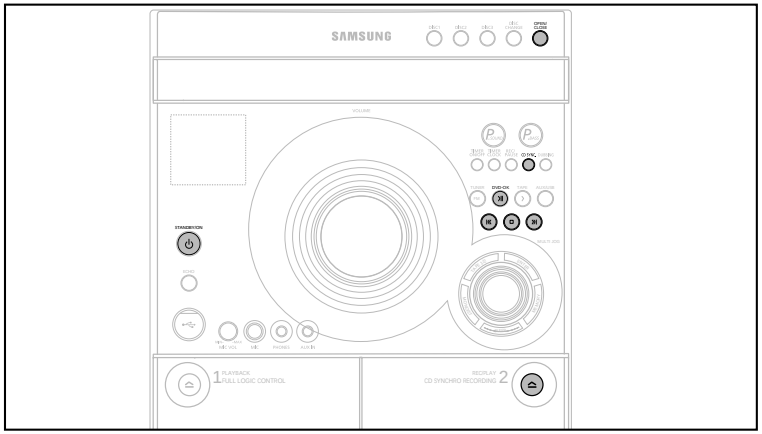
The Dubbing function is only available when the TAPE 1 and TAPE 2 are in stop mode.

Recording a Compact Disc

You can record a compact disc on a cassette in two different ways:

Synchronised recording

This feature enables you to synchronize the start of the recording with the start of the disc or track of your choice only on Audio CD.



1 Switch the system on by pressing **STANDBY/ON**.

2 Insert a blank cassette in Tape 2.

- Press the **PUSH/EJECT** button (⏏) to open the cassette door, insert a cassette, and then close the cassette door.
- Insert the cassette with the safety tabs.

3 Load a compact disc.

- Press the **OPEN/CLOSE** button to open the CD door.
- Insert a CD and press the **OPEN/CLOSE** button to close the CD door.

4 Press the **DVD/CD** (>II) button.

- Use the CD selection (I<<,>>I) buttons to select the desired song.

5 Press **CD SYNC.** button.

- When stopped, press the button to start the recording from the first piece of music.
- Press and hold **CD SYNC.** button during the playback of CD to start the recording from the first part of the music being played.

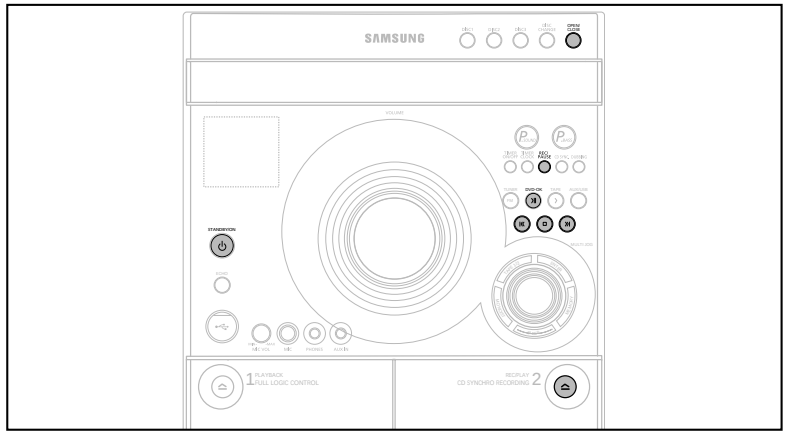
6 To stop recording, press (▫) button.

Note

- You can use **CD/SYNC.** button only in CD Playback Mode.

Direct recording

The direct recording mode enables you to start recording with any track on the compact disc.



1 Switch the system on by pressing **STANDBY/ON**.

2 Insert a blank cassette in Tape 2.

- Press the **PUSH/EJECT** button (⏏) to open the cassette door, insert a cassette, and then close the cassette door.
- Insert the cassette with the safety tabs.

3 Load a compact disc.

- Press the **OPEN/CLOSE** button to open the CD door.
- Insert a CD and press the **OPEN/CLOSE** button to close the CD door.

4 Press the **DVD/CD** (>II) button.

- Use the CD selection (I<<,>>I) buttons to select the desired song.

5 Press **REC/ PAUSE** button.

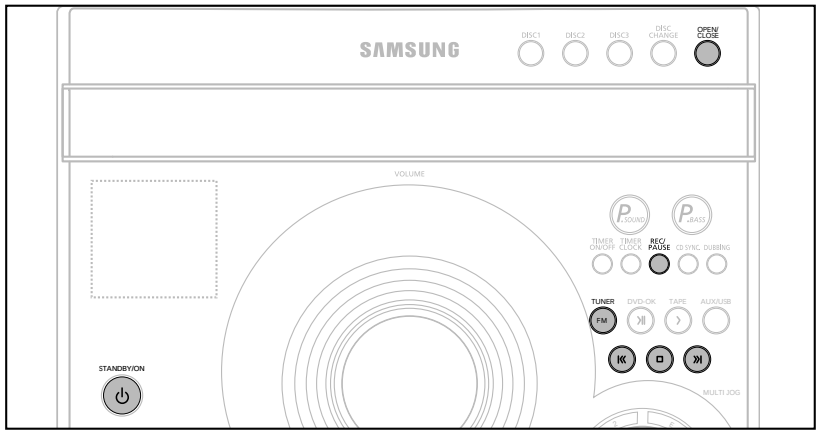
- Recording will begin.
- To stop recording, press ▫ button.

Note

- The cassette tape you want to record on must have the safety tabs intact.

Recording a Radio Program

You can record a radio program of your choice.
You do not need to adjust the volume, as it has no effect on the recording.



1 Switch the system on by pressing **STANDBY/ON**.

2 Insert a blank cassette in Deck 2.

3 Select the FM function by pressing **FM/TUNER.**

4 Select the radio station that you wish to record by pressing I<<,>>I button .

5 Press **REC/PAUSE** button.

- **REC** is displayed and recording starts.

6 To stop recording, press ▫ button.

CD RIPPING Function

You can rip a compact disc as a MP3 file on the USB
This feature enables you to ripping with the start of the disc or track of your choice.

1 Switch the system on by pressing **STANDBY/ON**.

2 Connect the USB.

3 Load a compact disc(Digital Audio).

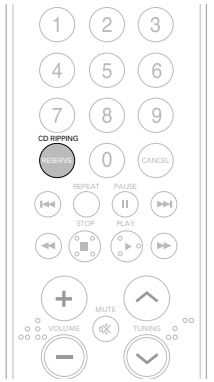
- Press the **OPEN/CLOSE** button to open the CD door.
- Insert a CD and press the **OPEN/CLOSE** button to close the CD door.
- Use the CD selection (⏮ , ⏭) buttons to select the desired song.

4 Press CD RIPPING button on remote control to starting ripping.

- If the system is either at pause or playing state,turn the CD RIPPING dial down or press CD RIPPING button on the remote control to start the ripping for the current track.
- Turn CD RIPPING dial up or press and hold CD RIPPING button on the remote control to start ripping the all tracks of Disc.
- "CD Ripping" is displayed in red and CD RIPPING starts.
- During CD ripping, do not disconnect USB device.

5 To stop ripping, press STOP ▫ button.and then automatically create and save as the MP3 file.

After CD-Ripping,a directory named "RIPPING" will be created in your device.The file name follows the format:"SAM_XXXX".MP3.



Note

- Don't disconnected USB and AC Cord during CD-Ripping.This may cause the file damage.If you want to stop CD-Ripping during CD-Ripping,you must press stop Key first and after the CD Stopped,then you can remove the USB device.
- If you disconnected USB device when CD Ripping,the main unit will be power off and you may not delete the ripped file,In this case, please connect the USB on the PC and backup the USB data on the PC first and then formate the USB device .
- On the CD playing ,connect the USB,the CD play will be paused and will resume playing till the USB initilization finished.
- According the different USB the initilization time maybe different.
- When the USB memory is not enough,it will be displayed "NOT ENOUGH MEMORY"
- DTS-CD can't for CD Ripping.
- Starting CD ripping within 5 seconds can't create the CD Ripping file.
- Ripping file is only created when CD Ripping is stopped after 5 seconds(ex. SAM_0001.MP3).
- With external HDD,FAT format the USB can be CD Ripping,but not NTFS.The CD Ripping function of this product does not support all USB devices.
- When you use CD high speed search function,the CD Ripping can't work.
- When CD Ripping, CD audio can't be out.
- During CD Ripping,do not deal impact.If is shocked while CD Ripping,CD Ripping maybe disengage.
- Sometimes, some of USB devices, CD Ripping time is long.

CD Ripping Feature Supported Player

Product	Company	Type
YP-T8	Samsung	MP3 Player
YP-T7F	Samsung	MP3 Player
YP-D1	Samsung	MP3 Player
YP-T8N	Samsung	MP3 Player
YP-U2	Samsung	MP3 Player
YP-T9	Samsung	MP3 Player
YP-K5	Samsung	MP3 Player
YP-K3	Samsung	MP3 Player
YV-150	Samsung	MP3 Player
YP-U3	Samsung	MP3 Player

Timer Function

- The timer enables you to switch the system on or off at specific times.
- If you no longer want the system to be switched on or off automatically, you must cancel the timer.
- Before setting the timer, check that the current time is correct.
- For each step, you have a few seconds to set the required options. If you exceed this time, you must start again.

Example: You wish to wake up to music every morning.

1 Switch the system on by pressing **STANDBY/ON**.

2 Press **TIMER/CLOCK** until **TIMER** is displayed.

3 Press the **ENTER** button.

- **ON TM** is displayed (instead of the equalizer symbols) for a few seconds, followed by any switch-on time already set; you can set the timer switch-on time.

4 Set the timer switch-on time.

a. Set the hour by pressing ◀ or ▶ button.
b. Press **ENTER** .
- The minutes flash.

c. Set the minutes by pressing ◀ or ▶ button.
d. Press **ENTER**.
- **OFF TIME** is displayed (instead of the equalizer symbols) for a few seconds, followed by any switch-off time already set; you can now set the timer switch-off time.

5 Set the timer switch-off time.

a. Set the hour by pressing ◀ or ▶ button.
b. Press **ENTER**.
- The minutes flash.

c. Set the minutes by pressing ◀ or ▶ button.
d. Press **ENTER**.
- **VOL 10** is displayed, where 10 corresponds to the volume already set.

6 Press ◀ or ▶ button to adjust the volume level and press **ENTER**.

- The source to be selected is displayed.

7 Press ◀ or ▶ button to select the source to be played when the system switches on.

- TUNER (radio) : **a** Press **ENTER**. **b** Select a preset station by pressing or .
- DVD/CD (compact disc) : Load on or ◀ ▶ more compact disc.
- TAPE (cassette) : Insert a cassette tape.
- USB :Insert a USB.

8 Press **ENTER** to confirm the timer.

9 Press **STANDBY/ON** to set the system to standby mode.

- ◷ is displayed to the top right of the time, indicating that the timer has been set.
- The system will switch on and off automatically at the required times.

Note

- If the timer switch on and off times are identical, the word **ERROR** is displayed.
- You can also use Multi Jog on the front panel to instead ◀ , ▶ button on the remote control in step 4,5,6,7.
- If there is no tape, disc or usb, when you select the “TAPE, DVD/CD, USB, it will automatically change to “TUNER”.

Canceling the Timer

After having set the timer, it will start automatically as shown by the TIMER indication on the display. If you no longer wish to use the timer, you must cancel it.

To cancel the timer, press **TIMER ON/OFF** once.

- ◷ is no longer displayed.

To resume the timer, press **TIMER ON/OFF** again.

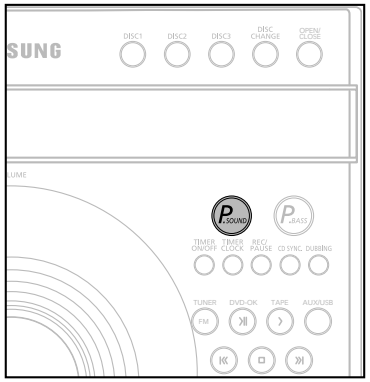
- ◷ is displayed again.

Note

- You can cancel the timer while the power is on or while the player is in standby.

POWER SOUND Function

Your mini-compact system is equipped with the function of POWER SOUND mode . The function of POWER SOUND mode amplifies bass and improves high key or bass twice as much for you to appreciate powerful real sound.



Press the **P.SOUND** button.

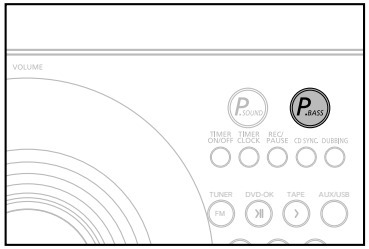
Result: "**P.SOUND**" is displayed and "**P,SND**" is displayed for a few seconds.

To cancel this function, press **P.SOUND** again, "**OFF**" is displayed for a few seconds, and P.SOUND disappears.

➢ When CD Ripping,the P.SOUND function can't work and the P.SOUND automatically covert to "OFF" mode.

POWER BASS Function

Your mini-compact system has a bass amplification function called SBS (Super Bass Sound). This function makes the sound more powerful and real.



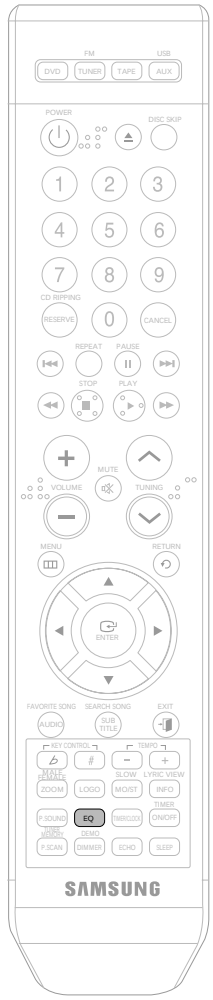
Press the **P.BASS** button.

Press the **P.BASS** button.
Result: **BASS** is displayed and "**P. BASS**" is displayed for a few seconds.

To cancel this function, press **P.BASS** again, "**OFF**" is displayed for a few seconds.

➢ When CD Ripping,the P.BASS function can't work and the P.BASS automatically covert to "OFF" mode.

EQ Function



Selecting EQ

Your mini-compact system is equipped with a preset equalizer that allows you to choose the most appropriate balance between treble and bass frequencies, according to the type of music you are listening to.

Press **EQ** on the remote control until the required option is selected.

To obtain a...	Select...
Normal balance (linear)	PASS
Balance suitable for pop music	POP
Balance suitable for rock music	ROCK
Balance suitable for class	CLASS
Balance suitable for hall	HALL
Balance suitable for live	LIVE
Balance suitable for cinema	CINEMA

➢ When CD Ripping,the EQ function can't work and the EQ automatically covert to "PASS" mode.

Sleep Timer Function / Mute Function

Sleep Timer Function

You can set the time that the DVD player will shut itself off.

Press **SLEEP** button.

- Each time the button is pressed, the selection changes as follows: **90 MIN → 60 MIN → 45 MIN → 30 MIN → 15 MIN → OFF**.

To confirm the sleep timer setting, press **SLEEP** button.

- The remaining time before the DVD player will shut itself off is displayed.
- Pressing the button again changes the sleep time from what you have set earlier.

To cancel the sleep timer, press **SLEEP** button until OFF appears on the display.

Mute Function

This is useful when answering a doorbell or telephone call.

Press **MUTE** button.

- '**MUTE**' appears in the display.
- To turn off mute, press the button again.

DEMO Function / DIMMER Function

DEMO Function

You can view the various functions available on your system.

Press **DEMO/DIMMER** button.

- The various functions available are listed in turn on the display.
- All these functions are described in detail in this booklet. For instructions on how to use them, refer to the appropriate sections.

DIMMER Function

You can adjust the brightness of the display on the main unit so it won't interfere with your movie viewing.

Press **DEMO/DIMMER** button.

- Each time the button is press, the brightness changes as follows: **DIMMER ON(Dim) → DIMMER OFF(Bright)**.

To cancel this function, press **DEMO/DIMMER** again.

Note

Press any buttons to cancel DEMO function.
When you turn off the main unit, DEMO function will be auto start after 10 seconds. if you want to cancel this DEMO function, press DEMO/DIMMER button again.

Cautions on Handling and Storing Discs

Small scratches on the disc may reduce sound and picture quality or cause breaks in playback. Be especially careful not to scratch discs when handling them.

Handling discs

Do not touch the playback side of the disc. Hold the disc by the edges so that fingerprints will not get on the surface.
Do not stick paper or tape on the disc.

Handling and Storing Discs

When you get fingerprints or dirt on the disc, clean it with a mild detergent diluted in water and wipe with a soft cloth.

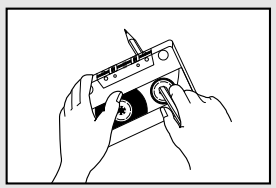
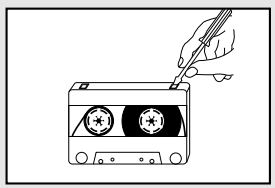
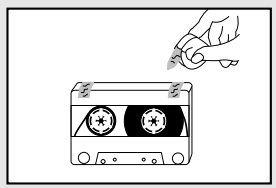
- When cleaning, wipe gently from the inside to the outside of the disc.

Note

- Condensation may form if warm air comes into contact with cold parts inside the player. When condensation forms inside the player, the player may not operate correctly. If this occurs, remove the disc and let the player stand for 1 or 2 hours with the power on.

Precautions When Using Audio Cassettes

- Check that the tape in the cassette is sufficiently taut.
- To prevent erasing a cassette that you wish to keep, remove the safety tab on the upper edge of the cassette. To record a cassette, where the tab has been broken, simply cover the opening with adhesive tape.
- When you have finished playing a cassette, always put it back in its case.
- Store your cassettes in a clean place, out of direct sunlight, where they will not be exposed to high temperatures.
- Avoid using 120-minute cassettes as they place unnecessary strain on the tape mechanism.

Before Calling for Service

Refer to the chart below when this unit does not function properly. If the problem you are experiencing is not listed below or if the instruction below does not help, turn off the unit, disconnect the power cord, and contact the nearest authorized dealer or Samsung Electronics Service Center.

Symptom	Check/Remedy
Disc tray does not open.	• Is the power cord plugged securely into the outlet? • Turn off the power and then turn it back on.
Playback does not start.	• Check the region number of the DVD. DVD discs purchased from abroad may not be playable. • CD-ROMs and DVD-ROMs cannot be played on this DVD player. • Make sure that the rating level is correct.
The remote control does not work.	• Is the remote control being operated within its operation range of angle and distance? • Are the batteries exhausted?
Playback does not start immediately when the Play/Pause button is pressed.	• Are you using a deformed disc or a disc with scratches on the surface? • Wipe the disc clean.
Sound is not produced.	• No sound is heard during fast playback, slow playback, and step motion playback. • Are the speakers connected properly? Is the speaker setup correctly customized? • Is the disc severely damaged?
Picture does not appear, sound is not produced, or the disc tray opens 2 to 5 seconds later.	• Was the DVD player suddenly moved from a cold place to a warm one? When condensation forms inside the player, remove the disc and let the player stand for 1 or 2 hours with the power on. (You can use the player again after condensation disappears.)
• Disc is rotating but no picture is produced. • Picture quality is poor and picture is shaking.	• Is the TV power on? • Are the video cables connected properly? • Is the disc dirty or damaged? • A poorly manufactured disc may not be playable.

Symptom	Check/Remedy
Audio language and subtitles do not work.	• Audio language and subtitles will not work for DVDs not containing them. And depending on the disc, they may work differently.
Menu screen does not appear even when the menu function is selected.	• Are you using a disc that does not contain menus?
Aspect ratio cannot be changed.	• You can play 16:9 DVDs in 16:9 WIDE mode, 4:3 LETTER BOX mode, or 4:3 PAN SCAN mode, but 4:3 DVDs can be seen in 4:3 ratio only. Refer to the DVD disc jacket and then select the appropriate function.
The tape does not start playing	• The TAPE function has not been selected. • The cassette has not been inserted correctly. • The cassette player has not been closed. • The tape is either slack or broken.
The volume falls off The cassette is not erased correctly There is excessive wow and flutter	• The audio heads are dirty. • The rollers or drive capstans are dirty. • The tape is worn.
Can't receive radio broadcast.	• Is the antenna connected properly? • If the antenna's input signal is weak, install an external FM antenna in an area with good reception.
• The main unit is not working. (Example: The power goes out or strange noise is heard.) • The DVD player is not working normally.	• Turn off the power and hold the **STOP** button on the main unit for longer than 5 seconds. Using the RESET function will erase all stored settings. Do not use this unless necessary.
The password for rating level has been forgotten.	• While the player is in **"NO DISC"** mode, hold the main unit's **STOP** ■ button for longer than 5 seconds. All settings will return to the default values. • Press the POWER button. **Using the RESET function will erase all stored settings.** **Do not use this unless necessary.**

Notes on Discs

Disc Recording Format

This product does not support Secure (DRM) Media files.

CD-R Discs

- Some CD-R discs may not be playable depending on the disc recording device (CD-Recorder or PC) and the condition of the disc.
- Use a 650MB/74 minute CD-R disc.
  Do not use CD-R discs over 700MB/80 minute as they may not be played back.
- Some CD-RW (Rewritable) media, may not be playable.
- Only CD-Rs that are properly "closed" can be fully played. If the session is closed but the disc is left open, you may not be able to fully play the disc.

CD-R MP3 Discs

- Only CD-R discs with MP3 files in ISO 9660 or Joliet format can be played.
- MP3 file names should be 8 characters or less in length and contain no blank spaces or special characters (. / = +).
- Use discs recorded with a compression/decompression data rate greater than 128Kbps.
- Only files with the "mp3" and extensions can be played.
- Only a consecutively written multisession disc can be played. If there is a blank segment in the Multisession disc, the disc can be played only up to the blank segment.
- If the disc is not closed, it will take longer to begin playback and not all of the recorded files may be played.
- For files encoded in Variable Bit Rate (VBR) format, i.e. files encoded in both low bit rate and high bit rate (e.g., 32Kbps ~ 320Kbps), the sound may skip during playback.
- A maximum of 500 tracks can be played per CD.
- A maximum of 300 folders can be played per CD.

CD-R JPEG Discs

- Only files with the "jpg" extensions can be played.
- If the disc is not closed, it will take longer to start playing and not all of the recorded files may be played.
- Only CD-R discs with JPEG files in ISO 9660 or Joliet format can be played.
- JPEG file names should be 8 characters or less in length and contain no blank spaces or special characters (. / = +).
- Only a consecutively written multisession disc can be played. If there is a blank segment in the multisession disc, the disc can be played only up to the blank segment.
- A maximum of 9,999 images can be stored on a single CD.
- When playing a Kodak/Fuji Picture CD, only the JPEG files in the picture folder can be played.
- Picture discs other than Kodak/Fuji Picture CDs may take longer to start playing or may not play at all.

DVD±R/RW, CD-R/RW DivX Discs

- Since this product only provides encoding formats authorized by DivX Networks, Inc., a DivX file created by the user might not play.
- Software updates for incompatible formats are not supported.
  (Example : QPEL, GMC, resolution higher than 800 x 600 pixels, etc.)
- Sections with a high frame rate might not be played while playing a DivX file.
- For more information about the formats authorized by DivX Networks, Inc., please visit "www.divxnetworks.net".

Notes on Terminology

ANGLE	Recorded onto some DVD discs are scenes which have been simultaneously shot from a number of different angles (the same scene is shot from the front, from the left , from the right , etc.). With such discs, the Angle button can be used to change the angle of view for specific scenes.
CHAPTER NUMBER	These numbers are recorded on DVD discs. A Title is subdivided into many sections, each of which is numbered, and specific parts of the video can be searched quickly using these numbers.
DVD	A high-density optical disc on which high-quality pictures and sound have been recorded by means of digital signals. Incorporating a new video compression technology (MPEG-2) and high-density recording technology, a DVD disc comprises two 0.6 mm thick discs bonded together.
PCM	An acronym for Pulse Code Modulation - another name for digital audio.
PBC (PLAYBACK CONTROL)	This is recorded on a video CD (version 2.0). Selected scenes or information can be chosen from the menu displayed on the TV monitor.
REGION NUMBER	Both the DVD player and DVD discs are encoded with a region number. If the region number on the DVD disc does not correspond to the region number of the DVD player, the player cannot play the disc.
SUBTITLES	Translated appearing at the bottom of the screen. A DVD disc can contain up to 32 subtitle languages.
TITLE NUMBER	These numbers are recorded on DVD discs. When a disc contains two or more movies, these movies are numbered as Title 1, Title 2, etc.
TRACK NUMBER	These numbers are assigned to the tracks which are recorded on video and audio CDs. They enable specific tracks to be located quickly.
VIDEO CD	Contains recordings of pictures and sound whose quality is roughly comparable to that of video tape. This player also supports video CDs with playback control (version 2.0).
DOLBY DIGITAL	5.1 (or 6) Channel Digital Surround sound reproduced from DVDs and LDs recorded as a digital signals (with DOLBY DIGITAL disc marking). With better sound quality, dynamic range, and directionality than traditional Dolby surround technology, you can enjoy dynamic, realistic sound.

Specifications

RADIO	
FM	
Signal/noise ratio	62 dB
Usable sensitivity	10 dB
Total harmonic distortion	0.3 %
COMPACT DISC PLAYER	
Capacity	3 discs
Frequency range	20 Hz - 20 KHz (± 3 dB)
Signal/noise ratio	90 dB (at 1 KHz) with filter
Distortion	0.05 % (at 1 KHz)
Channel separation	75 dB
Disc sizes	Diameter: 120 or 80 mm. Thickness: 1.2 mm
TAPE	
Frequency range	125 Hz ~ 8 KHz
Signal/noise ratio	40 dB
Channel separation	35 dB
Erasing effect	50 dB(without filter)
AMPLIFIER	
Output power	
Front Speaker(4 Ω)	50W/CH RMS,IEC (total harmonic distortion: 10 %)(MAX-KA54)
Front Speaker(4 Ω)	90W/CH RMS,IEC (total harmonic distortion: 10 %)(MAX-KA55)
Channel separation	40 dB
Signal/noise ratio	75 dB
GENERAL	
Power consumption	35W(MAX-KA54)
Power consumption	50W(MAX-KA55)
Dimensions	383(D) x 330 (H) x 270 (W) mm

USB Host Feature Supported Products

DIGITAL CAMERA

Product	Company	Type	Product	Company	Type
Finepix-A340	Fuji	Digital Camera	U300	Olympus	Digital Camera
Finepix-F810	Fuji	Digital Camera	X-350	Olympus	Digital Camera
Finepix-F610	Fuji	Digital Camera	C-760	Olympus	Digital Camera
Finepix-f450	Fuji	Digital Camera	C-5060	Olympus	Digital Camera
Finepix S7000	Fuji	Digital Camera	X1	Olympus	Digital Camera
Finepix A310	Fuji	Digital Camera	U-mini	Olympus	Digital Camera
KD-310Z	Konica	Digital Camera	Lumix-FZ20	Panasonic	Digital Camera
Finecam SL300R	Kyocera	Digital Camera	DMC-FX7GD	Panasonic	Digital Camera
Finecam SL400R	Kyocera	Digital Camera	Lumix LC33	Panasonic	Digital Camera
Finecam S5R	Kyocera	Digital Camera	LUMIX DMC-F1	Panasonic	Digital Camera
Finecam Xt	Kyocera	Digital Camera	Optio-S40	Pentax	Digital Camera
Dimage-Z1	Minolta	Digital Camera	Optio-S50	Pentax	Digital Camera
Dimage Z1	Minolta	Digital Camera	Optio 33LF	Pentax	Digital Camera
Dimage X21	Minolta	Digital Camera	Optio MX	Pentax	Digital Camera
Coolpix4200	Nikon	Digital Camera	Digimax-420	Samsung	Digital Camera
Coolpix4300	Nikon	Digital Camera	Digimax-400	Samsung	Digital Camera
Coolpix 2200	Nikon	Digital Camera	Sora PDR-T30	Toshiba	Digital Camera
Coolpix 3500	Nikon	Digital Camera	Coolpix 5900	Nikon	Digital Camera
Coolpix 3700	Nikon	Digital Camera	Coolpix S1	Nikon	Digital Camera
Coolpix 4100	Nikon	Digital Camera	Coolpix 7600	Nikon	Digital Camera
Coolpix 5200	Nikon	Digital Camera	DMC-FX7	Panasonic	Digital Camera
Stylus 410 digital	Olympus	Digital Camera	Dimage Xt	Minolta	Digital Camera
300-digital	Olympus	Digital Camera	AZ-1	Olympus	Digital Camera
300-digital	Olympus	Digital Camera			Digital Camera

USB FLASH DISC

Product	Company	Type	Product	Company	Type
Cruzer Micro	Sandisk	USB 2.0 USB Flash Drive 128M	XTICK	LG	USB 2.0 128M
Cruzer Mini	Sandisk	USB 2.0 128M	Micro Mini	Iomega	USB 2.0 128M
Cruzer Mini	Sandisk	USB 2.0 256M	iFlash	Imation	USB 2.0 64M
SONY Micro Vault	Sony	USB 2.0 64MB	LG	XTICK(M)	USB 2.0 64M
FLEX DRIVE	Serotech	USB 2.0 32MB	RiDATA	EZDrive	USB 2.0 64M
AnyDrive	A.L tech	USB 2.0 128MB			

MP3 PLAYER

Product	Company	Type	Product	Company	Type
Creative MuVo NX128M	Creative	128 MB MP3 Player	YP-780	Samsung	MP3 Player
Iriver H320	Iriver	20G HDD MP3 Player	YP-35	Samsung	MP3 Player
YH-920	Samsung	20G HDD MP3 Player	YP-55	Samsung	MP3 Player
YP-T7	Samsung	MP3 Player	iAUDIO U2	Cowon	MP3 Player
YP-MT6	Samsung	MP3 Player	iAUDIO G3	Cowon	MP3 Player
YP-T6	Samsung	MP3 Player	iAudio M3	Cowon	HDD MP3 Player
YP-53	Samsung	MP3 Player	SI-M500L	Sharp	256MB MP3 Player
YP-ST5	Samsung	MP3 Player	H10	Iriver	MP3 Player
YP-T5	Samsung	MP3 Player	YP-T5 VB	Samsung	MP3 Player
YP-60	Samsung	MP3 Player	YP-53	Samsung	256MB MP3 Player

Contact SAMSUNG WORLD WIDE

If you have any questions or comments relating to Samsung products, please contact the SAMSUNG customer care centre.

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North America	CANADA	1-800-SAMSUNG(726-7864)	www.samsung.com/ca
	MEXICO	01-800-SAMSUNG(726-7864)	www.samsung.com
	U.S.A	1-800-SAMSUNG(726-7864)	www.samsung.com
Latin America	ARGENTINE	0800-333-3733	www.samsung.com/ar
	BRAZIL	0800-124-421 , 4004-0000	www.samsung.com
	CHILE	800-SAMSUNG(726-7864)	www.samsung.com/cl
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	HONDURAS	800-7919267	
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	PUERTO RICO	1-800-682-3180	www.samsung.com/latin
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